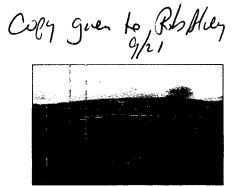
RMT, Inc., Michigan ("RMT") 2025 É. Beltline Avenue SE, Suite 402 Grand Rapids, MI 49546 Tel. (616) 975-5415 Fax (616) 975-1098



Response to Regulatory Comments on the Remedial Action Work Plan (RAWP)

L.E. Carpenter & Company Wharton, New Jersey

NJD002168748

September 2004



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I APPROACH TO COMMENT RESPONSE

Comments from both NJDEP and USEPA regarding the RAWP cover a broad variety of issues, and LEC believes these comments can most effectively be addressed by combining them into specific groups of similar topics, and then focusing in on the key issues. The specific groups of topics and key issues outlined in this response document are as follows:

- Extent of Source Reduction including extent of confirmatory sampling, cleanup criteria and delineation, and impact of the Impermix monolith on the hydrogeologic system.
- Post-Remedial Action Groundwater Performance Monitoring including monitoring of the remediated zone and Monitored Natural Attenuation (MNA) of the surrounding groundwater.
- Impacts to the Surrounding Environment—including wetland delineations and restoration details, ecological impacts and issues related to the Rockaway River and sediments.
- Costs and Schedule Issues issues specifically addressing the project schedule and costs (both current and projected),
- Miscellaneous Remedial Action Issues including pre-construction as well as post-construction activities

This Comment Response Summary follows the general groups of topics outlined above. **Table 1** provides a cross reference to specific agency comments as listed in their respective letters. The item numbers referenced are either the section numbers as cited by NJDEP, specific comment numbers by USEPA, or by general comment from either agency.

II EXTENT OF SOURCE REDUCTION AND CONTROL

The following sections present LEC's response to those comments outlined in Section II of Table 1.

II.1 Confirmatory Sampling Density and Source Removal Effectiveness

Extent and Delineation of Lead: The excavation limits in the RAWP were planned to robustly encompass the removal of metals- and PCB-impacted soils exceeding cleanup objectives. These limits were based on an extensive number of vertical and horizontal sampling points installed over the past ten years. As shown in Figure 6 of the RAWP, extensive investigation paints a clear picture as to the limits of lead contamination. The extent of lead contamination in site soils was fully delineated in 4th quarter 2001 and documented in the report entitled Nature and Extent of Lead in Soils and Groundwater Vol(s) I and II (RMT, March 2002). Figure 2 of the March 2002 report shows lead concentrations in site soil and the associated limit of extent. This report, including the conclusions reached regarding the extent of lead in soils was accepted by NJDEP and USEPA. The proposed lead excavation area outlined in the RAWP was derived from this data.



	TABLE 1	
NJDEP & USEPA RA	WP COMMEN	T SUMMARY
COMMENT RESPONSE OUTLINE & CROSS-		COMMENT
REFERENCE	REGULATOR	ITEM
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Confirmatory Sampling Density and Source Removal	NJDEP	5.5.3. 5.5.5, 5.5.7, 3.6, RAWP p.3-8 Bullet 2
Effectiveness	USEPA	5a, 5b and 5c
2. Pre-Construction Activities	NJDEP	RAWP p.3-8 Bullet 2, 6.4 Conceptual Report, RAWP p. 6-1 Section 6.2
	USEPA	1, 5c
3. Post-Construction-Report	USEPA	1, 15
4. Therein then Device Tentres	NJDEP	6.4 Conceptual Report
4. Excavation Design Issues	USEPA	General Comments, 7c, 10
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D. C	NJDEP	RAWP p. 6-1 Section 6.2, Comment No. 7
Performance Monitoring and MNA	USEPA	General Comments, 5b, 7a, 7b, 7c, 8, 9, 12
EVA ENTIVARIO DEMEMBRADO EMPLACIO.		
1. Wetlands	NJDEP	2.5.1, 6.13
i. Wedands	USEPA	6, 12a, 12b, 13,14
2. Ecological Issues	USEPA & USFWS	USFWS 5/24/04 Letter
3. Rockaway River Issues	USEPA	7d, 11
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1. Pre-Construction and General Issue	USEPA	2, 3, 4
2. Post Construction Issues	USEPA	General Comments, 10
3. Air Monitoring During Construction	NJDEP	Emailed comment 8/26/04
VIECOSIE A SCOMODUMBE 1999		
1. Cost	USEPA	General Comments
2. Schedule	USEPA	16
VII-ROCKAWAYRIVER PETROLEUM DISCHARGE		
Discharge, Emergency Response and Impact to Source Reduction project	NJDEP	Comment No. 7



Due to the potential Borough of Wharton end use scenario of a municipal complex with a park setting, the on-site soil cleanup objective for lead in soil was also lowered from 600 mg/kg (ppm) 1994 ROD cleanup criteria to a more stringent 400 ppm residential goal.

<u>PCB Delineation</u>: Both NJDEP and USEPA approved the PCB delineation outlined in the Weston report entitled Phase I ROD Implementation (Weston, 1994). To date, the PCB remedial action has not been implemented at LEC; however; the PCB area proposed for excavation in the RAWP was derived from the delineated area previously approved by the NJDEP and USEPA.

Proposed Confirmatory Sample Spacing: The lead and PCB confirmatory soil sample spacing outlined in the RAWP was derived from USEPA guidelines, and the grids were adjusted to be certain samples were included within the outer bounds of the planned excavations as defined by ten years worth of soil sampling data. Also, the sampling grids represent the minimum practical dimensions of working cells for excavation of both the lead- and PCB-impacted soil areas. The increase in the excavation size in the eastern PCB area, and the addition of lead soil excavation sidewall confirmatory samples should provide enough data to assure the removal of impacted PCB and lead soils.

PCB Confirmatory Sampling: LEC does not believe an increase in the vertical confirmatory sampling frequency or side wall sampling for PCB-impacted soils is necessary or beneficial, as previous investigations have clearly delineated the vertical and horizontal extent of the PCB source area(s). Please also note that the proposed PCB excavation is very shallow (the lesser of top of the water table or 2-ft bgs) as this area is located in the wetland area to the east (The Wharton Enterprise property).

<u>Lead Excavation Side Wall Sampling</u>: It is agreed that limited sidewall sampling of lead-impacted soil areas be performed at spacing not-to-exceed one discrete sample per 50 lineal feet of excavation wall in the lead-impacted area.

LNAPL Sampling: LEC does not intend to perform LNAPL confirmatory sampling. Collection of confirmatory samples that would be truly representative of soils underlying the major portion of free product smear zone while digging through slurry is problematic, and historic groundwater elevations data have enabled the accurate definition of the LNAPL smear zone. Data indicate that 622 feet above mean sea level (ft MSL) is the historic low shallow water table, and is subsequently the target depth for the LNAPL excavation. In addition, as is outlined in the RAWP and in the following responses, LEC intends on implementing a preconstruction boring program to verify historical smear-zone depth data and detail final excavation depths. Furthermore, a thorough post construction monitoring program will be developed in cooperation with USEPA and NJDEP to evaluate MNA and the potential impacts of any residual contamination on both surface and groundwater over the long-term. LEC intends to obtain regulatory input and approval(s) regarding all aspects of the long-term monitoring program (i.e., monitoring locations, site hydraulics, analytes, sampling frequency, modeling etc.).

Gran D



<u>Clean Fill (Category C Material) Sampling</u>: Discrete total lead soil samples will be collected from material excavated and stockpiled as clean fill for use later in the project at a frequency of one sample for every 300 in place cubic yards (IPCY) of material excavated and stockpiled.

PCB-Impacted Soil Cleanup Criteria: In the event that PCB-impacted soils are removed to below the 2 ppm Nonresidential Direct Contact Soil Cleanup Criteria (NRDCSCC), but not below the Residential Direct Contact Soil Cleanup Criteria (RDCSCC) of 0.49 ppm, deed restrictions will be placed on the Wharton Enterprise property. LEC is in the process of determining the use of deed restrictions at the Wharton Enterprise property. If deed restrictions are not an option, the PCB impacted area will be excavated to the 0.49 RDCSCC with confirmatory sampling implemented as outlined in the RAWP.

Extent of Free-Product Impacted Soils: The extent of free-product impacted soils was presented in detail in the report entitled Findings and Recommendations Regarding a Conceptual Free-Product Remediation Strategy (RMT, March 2002) (herein "the conceptual report") and formed the basis for the limits of the excavation in the RAWP. These limits were based on a large number of soil borings, wells and trenches installed over many years (Ref. Figure 6 in the RAWP). The goal of this source "reduction" action is to remove as much of the free-product as is "practicable," not to remove every possible molecule of contamination. Monitoring of free-product recovery has shown thicker pockets of free-product soils characteristically centered along the axis of the free-product zone. The RAWP specifically calls for excavation to elevation 622 (to the historical seasonal low water table) within the delineated zone to remove the vast majority of free product. The vast majority, specifically the DEHP component of the smear zone, will be bound up in the screened and solidified material excavated from the smear zone. However, LEC will have the ability if the situation or conditions warrant to try and containerize free product during the source reduction construction project for eventual off-site management if the need arises (i.e., skimming free product with booms, etc. from the surface of groundwater that may accumulate in open excavations). LEC understands the importance of removing as much LNAPL as possible, and will certainly capitalize on the removal of free flowing recoverable product in the field if conditions arise.

II.2 Pre-Construction Activities

<u>Pre-Construction Borings</u>: The purpose of the pre-construction borings is to optimize the planning of excavation depths to the top of the smear zone, to identify areas needing control of potential free product, and to be sure that any areas of potentially product-depressed water table are encompassed within the zone of the Impermix blend. These borings are not intended to address the delineation of free-product or metals-impacted soils outside the planned excavation, as those limits have been well defined. Proposed locations of the pre-construction borings were based on historic investigation results and recent quarterly monitoring (*i.e.*, potentiometric surface and EFR data). Additional pre-construction boring locations may be advanced while in the field if further definition is needed based on site conditions at construction kickoff. Any modifications to the scope of work outlined in the RAWP will be documented in the Remedial Action Report (RAR).



RAWP and RAR Cross-Sections: The limits of all areas proposed for excavation are discussed in the RAWP, and depicted in both east/west and north/south oriented cross-sections (Ref. RAWP Figures 8, 10, and 11 through 18). LEC feels that adequate use of cross-sections to visually depict the proposed areas of excavation was provided in the RAWP. Cross-sections will be utilized in the RAR to depict the vertical component of actual excavations.

Well Abandonment: Of the total 97 site subsurface monitoring locations (i.e., monitoring wells, well points, EFR wells and caisson wells), 67 of these locations as outlined in RAWP Table 7 will be abandoned by either grouting in place or over-drilling.

II.3 Post-Construction Remedial Action Report (RAR)

As outlined above, the RAWP presented numerous transects oriented toward the River illustrating the extent of contaminated soils and the planned areas of excavation. LEC will provide the locations and results of confirmatory sampling along with an overlay of original results to illustrate that metals- and PCB-impacted soils have been removed, and the extent to which product-impacted soils were excavated in the RAR. As outlined above, cross-sections depicting the actual excavations will also be presented in the RAR. The RAR will be submitted to both USEPA and NJDEP for review no later than 90 days following completion of the source reduction construction activities.

II.4 Excavation Design Issues

Free- and Residual Product Issues: As a clarification, the RAWP proposes that free product-impacted soils will be excavated to the historically low water table elevation of approximately 622 feet MSL. Because the use of dewatering techniques are not feasible at the site, use of an Impermix slurry will control the hydraulic problems that are anticipated when excavating into the smear zone below the water table. In addition, any visually observed quantities of floating free product that are practical to collect will be removed from the excavation, accumulated on-site in either drums and/or ASTs, and disposed as hazardous liquid waste. It is anticipated that any small amount of residual LNAPL constituents that may be attached to fine-grained soil particles and not removed by excavation will, instead, be entrained within the hardened Impermix Monolith. This will isolate the residual product from contact with groundwater.

Remedial Contingencies: Should post-construction monitoring suggest sufficient free product has not be removed to affect improvement in downgradient groundwater quality by means of natural attenuation, then contingent measures can be implemented which could include passive and active remedial scenarios. Determining the feasibility of post source reduction remedial measures for remaining measurable free product (if applicable) can only be performed post source reduction to take into account the significant changes in the monitoring network and site conditions.

Impact of Impermix Monolith: It is acknowledged that the presence of a lower permeability monolith may alter very shallow groundwater flow across the site. In fact, it is anticipated that this will help to minimize the solubilization of any small amounts of residual free product that may remain entrapped in the monolith after excavation in the smear zone is complete.



LEC also agrees that any increase in pH would be beneficial, further inhibiting the solubilization of metals in the soils. Regarding increased surface runoff potential and loss of metals-impacted soils to the river, LEC does not anticipate these issues to become problematic because 1) the heavily impacted soils (*i.e.*, lead, PCBs and process waste) will be removed from the site prior to the smear zone excavation and subsequent monolith installation; 2) soil erosion and sedimentation controls will be in place during and after construction with Best Management Practices (BMPs) as approved by both the NJDEP and Morris County Soil Conservation District (MCSCD); 3) the long-term use of the site will include cover materials and vegetation that will have a significant impact on infiltration potential as well as prevention of soil loss due to overland sheet flow, and 4) a substantial "buffer zone" of clean backfill will exist between the monolith and surface water bodies that will prevent any particulate runoff of LNAPL constituents. The presence of the monolith will be noted in any chain of title for the site.

III GROUNDWATER PERFORMANCE MONITORING AND MNA

The following sections present LEC's response to those comments outlined in Section III of Table 1.

III.1 MNA Work Plan

As requested by NJDEP and USEPA in previous letters summarizing review of various quarterly monitoring reports, LEC implemented the approved MNA sampling protocol outlined in the agency approved May 2001 Workplan for Supplemental Investigation of Natural Attenuation of Dissolved Constituents in Groundwater (MNA workplan). The MNA workplan was implemented in second quarter 2004 (2Q04) after installation of one of the three proposed wells (MW-19-10) in the MW19/Hot Spot 1 area was complete. Installation of two (2) monitoring wells MW-27 and MW-28 was postponed until surface water pooling in the Wharton Enterprise property as a result of excessive rain had cleared. It is likely that installation of these two wells will be performed after the source reduction project is complete due to the potential interference with the expanded excavation footprint now proposed for the Wharton Enterprise area (Ref. Appendix G of the 2Q04 Monitoring Report). The expanded excavation footprint is necessary to address the petroleum discharge into the Rockaway River identified during the 2Q04 monitoring event field activities (installation of PDB samplers). The release, subsequent emergency response activities, and the impact to the proposed source reduction excavation on the eastern portion of the LEC site is outlined Section VII of this response document.

III.2 Post-Remediation Monitoring Design

Upon completion of the source reduction remedial project, LEC will propose the installation of a representative sampling network (i.e., monitoring wells, staff gauges, dedicated in-well equipment, pressure transducers etc.) to evaluate groundwater and surface water flow patterns and quality over the long-term. This network will include the necessary structures to monitor the presence of lead (although not detected in groundwater), LNAPL, and dissolved phase contaminants of concern in groundwater and surface water across the entire LEC site. Specifically, the hydraulics associated with the Rockaway River, the Wharton Enterprise wetland area, and the Air Products drainage channel will be closely monitored and modeled



to define accurate flow patterns. In addition, specific compliance points proposed for use as long-term water quality monitoring locations will be installed in each of these areas.

III.3 Post-Remediation Monitoring Plan (PRMP)

Specifics regarding the new site-wide monitoring network, changes to the approved MNA workplan regarding field and laboratory analytes, degradation products, sample frequency and location, analytical methods, field sampling techniques, flow patterns, and fate and transport modeling will be proposed to both USEPA and NJDEP in a Post Remediation Monitoring Plan (PRMP) for review and approval after the source reduction has been implemented. Appropriate measures to further evaluate groundwater effects, if any, on environmentally sensitive downgradient areas, and the measures to be instituted if groundwater contamination is detected in these areas will be addressed if site conditions warrant such action as determined by sampling the new site monitoring network.

III.4 Monitoring Updates and ROD Amendment

The results of the post source reduction monitoring events will be evaluated and numerically modeled to clearly define site wide flow patterns, and establish fate and transport data for remaining contaminants of concern. All data will be provided to USEPA and NJDEP on a quarterly basis for study and review. Once determined to sufficiently document the current and continued success of MNA at LEC (approximately 3 to 5 years), the data will be presented in a Focused Feasibility Study (FFS) proposing approval via ROD amendment of groundwater remediation by MNA as opposed to pump and treat as originally accepted (1994 ROD).

IV ENVIRONMENTAL IMPACTS

The following sections present LEC's response to those comments outlined in Section IV of Table 1.

IV.1 Wetlands

Wetlands Mitigation Plan: RMT and LEC are in the process of preparing a Wetland Mitigation Plan (WMP) summarizing 1) information specific to the proposed excavations within delineated wetland areas (PCB and LNAPL smear zone); 2) proposed restoration activities, and 3) proposed post-restorative monitoring activities. This plan will be submitted to NJDEP and USEPA for review and approval prior to the implementation of proposed remedial activities, and will also be included as an attachment to the Freshwater Wetlands and Open Water Fill General Permit No. 4 [Hazardous Site Investigation and Cleanup] application. LEC requests that both the NJDEP and USEPA project managers assist in expediting approval of this application through their respective departments.

IV.2 Ecological Issues

Section 7 ESA Consultation: As outlined in the May 24, 2004 letter from the United States Fish and Wildlife Service (USFWS) to USEPA, RMT and LEC will initiate informal Endangered Species Act (ESA) Section 7 consultation with the USFWS regarding the proposed source reduction scope at the LEC site. Details regarding USFWS consultation and any associated documentation will be provided to NJDEP and USEPA for review. LEC requests that both the

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Final



NJDEP and USEPA project managers assist in expediting completion of the Section 7 ESA consultation process through their respective departments.

IV.3 Rockaway River Issues

Sediments and Hydraulics: Details regarding the site wide monitoring network proposed for installation after the source reduction is complete will be presented to both NJDEP and USEPA in the PRMP for review, input and discussion. The proposed monitoring network will be designed to adequately evaluate groundwater and surface water flow patterns and quality. RMT and LEC agree that discussions regarding the investigation of impacted groundwater into the Rockaway River (if applicable) and sediment quality (if warranted) are important issues as they relate to successful long-term site monitoring, but should not impact the approval to move forward with the source reduction project. In addition, regulatory agreement and approval to proceed with the installation of the proposed monitoring network as outlined in the PRMP needs to be in place, and initial data reviewed before a quantitative analysis of groundwater/surface water flow and impact and sediment quality can be performed.

V MISCELLANEOUS REMEDIAL ACTION (RA) ISSUES

The following sections present LEC's response to those comments outlined in Section V of Table 1.

V.1 Preconstruction and General Issues

RAWP Pilot Excavation UST Contingency Response: While performing the Pilot Excavations in February 2004, RMT uncovered a 5,000-gallon underground storage tank (UST) located near the Test Pit 1 (TP1) location. This tank was never identified in previous studies or investigations. The tank was removed, the contents drained, and the tank cleaned on February 18, 2004. The tank contained 20 gallons of free liquids and sludge. The material was analyzed for Resource Conservation and Recovery Act (RCRA) 8 metals, PCBs, Semivolatiles and Volatiles, pH, reactivity, and flammability. The material was mostly water but contained concentrations of volatiles (xylene) and semivolatiles (DEHP), exhibited the characteristic of flammability (D001). This material was taken to EQ Resource Recovery, Inc., in Romulus MI. Paperwork associated with these activities is attached.

Trucking and Local Community Issues: The trucking estimates discussed on June 15, 2004, have not changed. RMT and LEC have informed the Borough of Wharton, specifically Jon Rheinhardt, CFO, for over a year regarding the proposed source reduction remedial action, the project schedule and its potential disturbances to the local area. Pedestrian traffic crossing North on Main Street towards the forge pond as the Rails-to-Trails bridge and path will be closed; site security, truck routes and noise are issues that have been raised in discussions held with the Borough. The Borough is very supportive of the remedial action project, and has offered its assistance regarding all project related issues at the local level. Appropriate documentation regarding the remedial action project will be in place prior to construction mobilization.



Post Construction Issues V.2

Remedial Contingencies: As outlined in Section II.4, should post-construction monitoring suggest sufficient free product has not be removed to affect improvement in downgradient groundwater quality by means of natural attenuation, then contingent measures will be implemented which could include passive and active remedial scenarios (i.e., bioaugmentation, skimmers, pump and treat). Determining the feasibility of post source reduction remedial measures for remaining measurable free product (if applicable) can only be performed post source reduction to take into account the significant changes in the monitoring network and site conditions. RMT and LEC understand the importance of collaborating to develop the post remedial monitoring plan and remedial contingencies if MNA is unsuccessful, however; the details and decisions regarding this issue should not hinder approval to move forward with the source reduction as outlined in the RAWP.

Lead and Copper Soil Cleanup Objectives: RMT and LEC understand that USEPA approved site cleanup goals for copper in surface soil of 600 ppm, and a 400-ppm lead soil concentration given the future end use of this portion of the site as a park. RMT and LEC also understand that the NJDEP will require assistance supporting an Explanation of Significant Difference (ESD) for both the copper and lead soil issues, and will work with NJDEP to support both ESDs.

Air Monitoring During Construction **V.3**

As required in the NJDEP email dated August 26, 2004, LEC will set up a weather station in conjunction with a strategically placed direct reading particulate/aerosol monitoring device with continuous data logging capability, similar to but not necessarily a Full RAMS with a multi-directional intake. A few days prior to construction kickoff, RMT will collect background particulate concentrations to establish preconstruction baseline lead specific air quality concentrations based upon existing atmospheric conditions. These units will be operated throughout the source reduction construction process and included in the RAR.

COST AND SCHEDULE VI

The following sections present LEC's response to those comments outlined in Section VI of Table 1. Cost: LEC will provide a detailed cost estimate to compare the original groundwater remedy of pump and treat to long-term MNA in the FFS prepared to support a groundwater ROD Amendment (Ref. Section III.1).

Schedule: LEC will provide a detailed schedule outlining the relationship of all planned activities including preconstruction permitting and approvals, remedial action, ROD Amendment, and longbee as LNAPL - as men ord a pio Ge isn't this yylees and term monitoring.

ROCKAWAY RIVER PETROLEUM DISCHARGE VII

The following sections present LEC's response to those comments outlined in Section VII of Table 1.

As was outlined in the LEC 2nd Quarter 2004 Monitoring Report, while performing 2Q04 monitoring field activities, RMT personnel noticed a sheen on surface water flowing from the Wharton Enterprise



property to the east of LEC into the Rockaway River located along the southern site boundary. Within 24-hours, all emergency notifications including the National Response Center, NJDEP, and local agencies were made, and an emergency response contractor was mobilized to the site to install absorbent pads and booms (See attached May 17, 2004 emergency response documentation) in the Air Products drainage ditch and in the Wharton Enterprise sheen area at the bank of the Rockaway River. Presently, the emergency response contractor makes bimonthly site visits to visually inspect the booms and surrounding areas, and either flip or replace the booms and pads. Absorbent materials are replaced at least every month, and the materials (i.e., booms, pads, PPE) taken off-site for disposal at least every 90 days. An access agreement is in place with Air Products to gain access to the absorbent materials in the drainage ditch, and open communication between LEC and Air Products exists regarding future remedial action.

As a result of this incident, RMT and LEC have increased the scope of the source reduction project specifically to the east of LEC within the Wharton Enterprise property. A total area of approximately 21,423 square feet (sqft) [0.492 acres] will be excavated down to the water table to facilitate to removal of both PCB and free product smear zone soils within the Wharton Property as outlined in the RAWP. This total area now also includes the area of surficial sheen/seep flow towards the Rockaway River. Excavation along the sheen/seep area accounts for an increase of 7,387 sqft of remedial excavation area when compared to the original RAWP area of 14,036 sqft (Ref. RAWP Figure 8). In addition, LEC potentially intends on relocating the 90-degree curved area of the Air Products drainage ditch based on the potential for LNAPL to exist up to and in the drainage ditch western bank, and in a small area of sediments existing in this curved ditch area. Please note that the wetlands, floodplain and stream encroachment related issues associated with the expansion of the source reduction scope in these areas will be incorporated into the pre-construction permit applications, the Wetlands Mitigation Plan, and the PRMP. Reference the attached Expanded Source Reduction Remedial Area drawing, which shows the expanded excavation areas to the east and the drainage ditch relocation.

REGULATORY RAWP COMMENTS



James E. McGreevey

Governor

Bradley M. Campbel.
Commissioner

Christopher Anderson
Director Environmental Affairs
L.E. Carpenter and Company
33587 Walker Road
Avon Lake, OH 44012

JUL 2 1 2004

RE:

L.E. Carpenter Superfund Site Wharton, Morris County, New Jersey

Dear Mr Anderson:

The New Jersey Department of Environmental Protection (NJDEP or Department) and the United States Environmental Protection Agency (USEPA) have completed a review of the document titled "Remedial Action Work Plan For Source Reduction" dated April 27, 2004. The document was prepared by RMT, Inc. on behalf of L.E. Carpenter and Company (LE). The NJDEP and the USEPA have the following attached comments which must be addressed.

Should you have any questions please feel free to contact me at (609) 633-1416.

Sincerely,

Anthony Cinque, Case Manager Bureau of Case Management

C: Wharton Health Department Nicholas Clevett, RMT Stephen Cipot, USEPA John Prendergast, BEERA George Blyskun, BGWPA From:

Anthony Cinque

To:

nicholas.clevett@rmtinc.com

Date: Subject:

7/14/04 4:43PM LE Carpenter

Nick,

The NJDEP has completed its review of the document titled "Remedial Action Work Plan for Source Reduction" dated April 2004. The NJDEP has the following comments which must be addressed. Once I receive the USEPA's comments I will follow-up with a formal letter which combines USEPA/NJDEP comments.

- 2.5.1 Wetlands, page 2-9: The report states that N.J.A.C. wetland mitigation requirements provide that a temporary, non-forested wetland impact will only require restoration of the area temporarily disturbed. The NJDEP, Division of Land Use Management and Compliance should be given a copy of the RAWP for a review of the PCB impacted area. Also, the RAWP must include a Wetland Restoration Plan for the PCB impacted area on Wharton Enterprise property.
- 3.6 The Polychlorinated Biphenyl (PCB) Area, page 3-9: The ROD cleanup criteria for PCB contaminated soil on the Wharton Enterprise property was established at 2 ppm, the NRDCSCC for PCBs. The ROD Soil Cleanup Criteria for PCBs was established with the understanding that the Wharton Enterprise property would be issued a deed notice, otherwise the area would require remediation to the RDCSCC of 0.49 ppm.
- 5.5.3 Category A Lead Soils Excavation, page 5-4: The report states that composite samples of soils from Area A-3 will be analyzed for lead to determine if they exceed the cleanup criteria of 400 mg/kg and must be removed from the site along with the Area A-1 and A-2 soils, or reused as backfill on the site. Soils that could potentially be reused as backfill may not be composited to determine their suitability as clean backfill. Only discrete soil samples for direct analysis are acceptable for clean determination. Compositing of soil samples is permitted for waste characterization purposes only, as the regulations allow.
- 5.5.5 Confirmatory Sampling Metals Impacted Soils, page 5-5: The proposed post-excavation sampling on 40-by-40 foot grid basis is acceptable. The report proposes no sidewall perimeter post-excavation samples, on the basis that previous investigations have established the lateral extent of lead in soils. The elimination of perimeter post-ex samples may be permitted, however, the report must provide a figure that shows the previous collected samples and Pb results at the proposed excavation limits indicating the clean zone boundary.
- 5.5.7 Category J PCB Confirmatory Sampling: The report states that soils will be removed to below the ROD-required 2 ppm level. As stated above, Wharton Enterprise property must accept a deed notice to establish that the RDCSCC have not been met.
- 6.13 Wetland Mitigation/Restoration, page 6-5: The report states that currently no backfilling of the PCB-impacted soil areas in the zone of the wetland will need to be accomplished. The specific details of the PCB area restoration, including long term maintenance must be provided in a Wetland Mitigation Work Plan.

Details pertaining to the recently reported petroleum discharge into the Rockaway River must be provided including necessary remedial actions as needed.

Depth of Excavation, page 3-8, Bullet 2: The report states that soil excavation below the water table is not practical due to high hydraulic conductivity and the resulting large volumes of water. The NJDEP cannot concur. LE is required to excavate to the level of the lowest historic water table so that the contaminated "smear" soil zone is removed and does not contribute to dissolved ground water contamination. It was the

NJDEP's understanding through previous discussions that excavation will proceed to the lowest historic ground water level. Accordingly, LE is required to comply with this requirement.

On page 6-4 of the document Findings and Recommendations Regarding a Conceptual Free-Product Remediation Strategy (3/02), LE estimates 4,700-9,700 gallons of free phase product remain in the aquifer, based on the Free Product Volume Analysis (RMT May 2000). LE also estimates 4,700-9,700 most conservative "worst case" calculation indicates up to 5,000 gallons of free phase product could be left behind upon completion of the excavation. This volume of product would continue to be a long-term source of dissolved ground water contamination. LE must indicate what remedial measures would be product.

Monitoring Well Abandonment, page 6-1, Section 6.2: LE indicates 72 of the 92 monitoring wells; well points or extraction wells will be abandoned. Upon completion of the source removal activities, evaluation of ground water flow patterns will dictate the location of replacement wells. Details on the final number and locations will be addressed in a separate submittal. This is acceptable, however the Department requires replacement wells in the former source areas to monitor product removal and in downgradient areas to monitor dissolved ground water contamination migration.

LE indicates 72 monitoring wells; wellpoints and extraction wells will be abandoned. However, review of Table 7 indicates 67. This discrepancy should be corrected.

Call me if you have any questions (609) 633-1416.

- Anthony

CC:

Blyskun, George; cipot.stephen@epamail.epa.gov; Prendergast, John



United States Environmental Protection Agency Region 2

Emergency & Remedial Response Division New Jersey Remediation Branch 290 Broadway New York, NY 10007-1866

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Fax: (609) 633-1439			•			
From: Stephen Cipat	•		•			
Phone: (212) 637 - 44 11 Fax: (212) 637-4429						•
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Message:



UNITED STATES ENVIRONMENTAL PROTECTION AGENC

REGION 2 290 BROADWAY NEW YORK, NY 10007-1866

JUL 1 5 2004

Via fax and Mail

Anthony Cinque Case Manager Bureau of Federal Case Management New Jersey Department of Environmental Protection 401 East State Street Trenton NJ 08625

Re: L.E. Carpenter Superfund Site, Wharton, NJ

Review and comment on the report entitled Remedial Action Work Plan for

Source Reduction, dated April 2004

Dear Mr. Cinque:

The U.S. Environmental Protection Agency (EPA) has completed it: review and comment on report entitled, Remedial Action Work Plan For Sourc : Reduction L.E. Carpenter Superfund Site, Wharton, NJ., and has attached comments. If you have any questions or comments on this letter, please feel free to discues them with me at (212) 637-4411, at your earliest convenience. Thank you for the opportunity to review the above report.

Sincerely,

Stephen Cipot

Project Manager

Southern New Jersey Remediation Branch

Enclosure

ENCLOSURE

U.S. Environmental Protection Agency (EPA) comments on the Remedial Ac on Work Plan For Source Reduction for the Dayco/L.E. Carpenter Superfund Site, Wharton, N. .

General Comments

The remedial action described in the Remedial Action Work Plan For Source Reduction, dated April 2004, consists of the following main components: the excavation and or -site disposal of lead process wastes and soils above 400 ppm, and copper above 600 ppm, equiring an Explanation of Significant Differences; the excavation of PCB impacted soils above 2 ppm; the removal or remediation of soils contaminated with LNAPL; and the conduct c groundwater monitoring to evaluate if Monitored Natural Attenuation (MNA) is a viable alternative to the pumping and treatment of the contaminated shallow groundwater that was o tlined in the 1994 Record of Decision (ROD). The latter was not described as part of the 1994 ROD, and may require an amendment to the ROD if implemented, after post remediation sampling and monitoring data have been evaluated by the New Jersey Department of Envi onmental Protection (NJDEP) and EPA. The actions outlined in the above document vill require an Explanation of Significant Differences (ESD), however, an ESD need not be inalized prior to completion of the remedial action.

Because of the large amount of water infiltration that had been encountered :uring the lead and DNAPL excavation pilot study, replacement of excavated materials with a cenent type monolithic slab was selected to stabilize side walls and prevent infiltration by unmanageable volumes of water. Use of a hardening slurry mixture will change the local phas well as likely alter the hydraulics of the immediate area by increasing overland surface flor. Potential impacts must be properly monitored as part of this remedial action, and adverse affects, if any, remedied. A pH change, while not certain to result, will likely buffer and less in the mobilization potential for lead and other metals that may remain in soils, which would have a positive benefit. However, considering the changes to be imposed on the hydrogeologic system, EPA also stresses that the previously approved MNA sampling program must be implemented, along with the additional monitoring wells that EPA had the NJDEP had previously compented on. Moreover, overland surface flow will likely increase, while infiltration will likely decrease, thus perhaps increasing impacts to the Rockaway River, such as increased meta: loading coming from on-site areas where the soils cover might be missing or had not been properly maintained. A lead level of 400 ppm is protective of human health, though may not be pr tective of the wetlands and river ecosystems, therefore appropriate monitoring and sediment drainage control must be implemented in the post construction/remediation phase to monitor or potential adverse impacts. Negative impacts will then need to be addressed in a time / manner by submittal of additional corrective action work plan(s) and field work.

In addition, notice of the existence of the cement type monolithic slab that we remain after remediation, will be required to be placed in the chain of title to the property so that a potential future owner of the Site will be on notice of this structure in the subsurface.

The PRP's had previously proposed a capping remedy, that was subsequently withdrawn, however, it contained a detailed cost estimate and comparison of the cappir 3 cost, versus the cost for implementing the selected ROD remedy. EPA will similarly need an updated detailed

cost estimate of the proposed remedy to compare to the original ROD remec to complete an ESD document that will be generated by the new proposed action. This cost estimate and comparison should be forwarded to the EPA and NJDEP as soon as possible

Specific Comments

- In general, the site investigation presented in the work plan included only one geologic cross section, A-A', which intersects the center of the excavation area in an east to west orientation. It was not optimally situated or presented to illustrate the ead impacted area, LNAPL and smear zone, and clean soils, especially along the excavation area bordering the Rockaway River (Figure 18). Additional cross sections intersecting the site oriented toward the river with a cross section paralleling the river alon; the border of the excavation area would serve to illustrate the extent of contaminated shifts and outline the intended work. The post excavation report must include a detailed do ineation of these different soils throughout the excavation area, in order to make it east at to assess the effectiveness of the remedy as well as to determine how much contain inated soil was removed, and what the impact was to the river.
- 2. Page 4-2, what was the product that was contained in the undergrour 1 storage tank that was removed during the recent pilot excavation work, was it sampled and analyzed, and what was volume and the concentration?
- Page 5-1. The document did not present an estimate of the trucking relimbers for hauling wastes to off-site disposal facilities. Per our conversation of lane 15 with Nicholas Clevette, Mr. Clevette outlined some preliminary trucking numbers for hauling wastes to off-site, at 40 and 50 loads/day (6 days/wk), over a 4 montion period. These numbers were said to be subject to change. Have the numbers changed, and has the township been notified that the remedial action will cause an increase in truck traffic on local streets? Formal notification should be done, and work of this nature must comply with local restrictions and ordinances. The PRP must contact the appropriate local authorities and report on the findings of this contact.
- 4. Page 5-1, Normally, a surface soil copper cleanup goal of 600 ppm m ght be questionable with regard to ecological risk, but if the site "end use" is ballfield (with tennis courts and parking lots), and site soils are to be covered with 1 2 feet of clean backfill plus 6 inches of topsoil, residual copper would probably not recesent a significant threat to ecological receptors.
- Page 5-5 to 5-6, Spacing for Confirmatory Sampling. The Sampling confirmatory samples are needed to confirm that remediation goals have been achieved. The PCB area in itself is not only large in aerial extent so that the proposed 35 foot grid sample spacing could very well overshoot the boundaries of the impacted area by a significant amount, leaving was as on-site. In addition, the 40 by 40 foot sample spacing for metals impacted soils, and a 50 by 50 foot horizontal grid sample spacing for the LNAPL waste, are similarly concourse, and should also be reduced to a spacing that provides adequate sample coverage. At least 15 to 20 percent more samples may be minimally needed to verify remediations.

- Additional confirmatory sampling of the excavation side walls are needed to rule out if 5b. any contaminated soils possibly extend beyond the presently identific areas. In addition, a post remediation monitoring plan must be submitted, if no prior to the remedial action, then at least concurrent, which includes geochemical data from additional monitoring wells, including from near the river; to evaluate ne presence of lead and LNAPL, and whether the excavation has effectively remedia ad residual contamination. An investigation of the potential groundwater discharge zones into the river bed should be considered if LNAPLs or significant lead contami ation is detected in the groundwater near the river. In addition, refer to the general cominent regarding the possible change in water pH, and increased possibility for overland fl. w.
- The preconstruction soil borings may not be optimally located within and surrounding the 5c. excavation area to confirm the horizontal extent and thicknesses of t a LNAPL smear zone, lead contaminated, and clean soils (Figure 31). The confirmat :y PCB and metal sampling is only planned at grid sampling points across the floor of the excavation area. This provides no confirmation on the extent of contaminated soils be and the periphery of the presently identified excavation area. Additional confirmation s mpling along the outside walls of the excavation areas is needed to evaluate to effecti eness of the soil excavation and slurry remediation.
- Page 6-5, and 9-2. Wetlands: The size of the wetland excavation are a is not provided (sq. ft.), and the wetland excavation area is not depicted on a map. etails of wetland restoration are not provided, e.g., seeding and/or planting, the target community type (palustrine emergent?), post-restoration monitoring, etc. If the undis urbed portions of the wetland are dominated by cattail, Phragmites, loosestrife, and re d canary grass (Appendix B), it will be difficult to prevent re-establishment of these species in the adjacent excavated and restored wetland area.
- Section 9.0, Ground Water, Monitored Natural Attenuation (MNA). 1 :e feasibility of 7a. Monitored Natural Attenuation has not been determined yet. The MI A of lead and LNAPLs in the groundwater must be adequate to prevent contamina on of the river.
- The MNA work plan that had been approved several years ago, mus be implemented. 7b.
- The effective natural attenuation of metals, especially lead, cannot be based solely on 7c. the monitoring results from existing wells and without knowing in advance the number. and locations of any additional monitoring wells that will be installed Section 9.1). The natural attenuation mechanisms must be confirmed to be remediatir: residual contamination in the soils and groundwater. The excavation of free roduct and lead contaminated soils, and the replacing of local soils with a hardened conolith could complicate the localized groundwater flow patterns, especially near the river, in terms of pH, altering the local hydrology as well as percolation of surface wal ir and run-off. Additional long term monitoring wells should be specifically outlined and agreed to, placed between the excavation area and the river to identify if any an ataminated groundwater may end up discharging into the river.
- In addition, surface sediments samples may also be necessary. 7d.

Additional geochemical data, besides pH and Eh values, should be a stained from the monitoring wells along the river to assure that there is no unexpecte lead contamination of the groundwater and surface water which is not ve fied by the synthetic precipitation leaching procedure (SPLP) test results and/or the groundwater sampling results. Unfavorable changes in the dissolved oxygen, total dissolved carbon, speciation of iron, sulfur, or nitrogen in the soil or groundwater may 1 3 evidence of lead and possibly LNAPL leaching into or migrating in the groundwater. 1 Jch changes could affect the sorption and ion exchange capacities of the aquifer matrix for metals in addition to affecting the aquifer's buffering capacity. It is important a determine the mass of lead that is dissolved in the groundwater, and its mass that sorbed and precipitated within both the suspended solids and the aquifer matrix.

The long term monitoring plan must prove that the following is not occurring in order to confirm adequate natural attenuation:

- Changes in the geochemical or hydrologic environment that could inhibit remedy effectiveness such as pH, hydraulic gradients, oxygen levels nd, organic carbon:
- That the contaminated groundwater is expanding both horizor ally or vertically;
- That lead, LNAPLs and other site related contaminants are re ching downgradient receptors which in this case is the Rockaway R er;
- Detection of any unexpected sources of lead and LNAPLs tha could impact the effectiveness of the selected remedy; and,
- The formation of toxic transformation products such as organi lead complexes.
- MNA monitoring should continue for a specified period of at least two years, after cleanup levels have been achieved and in at least two additional wells between the excavation sites and the Rockaway River. Monitoring must be long enough to assure that no re-contamination is occurring in the groundwater and that the is no subsequent discharge of lead or LNAPL into the river.
- No provision has been made in event that excavation and MNA remet as fail to perform 10: as anticipated, within a specified time frame. The outlined remedy in the Remedial Action Work Plan For Source Reduction must include a Contingency I an, that will be developed and implemented if excavation and MNA fail to work, which may include the original groundwater remedy of actively pumping and treating contami ated groundwater outlined in the 1994 ROD.
- If lead or LNAPL are detected by the long term monitoring of the groun iwater, seepage meters could be used to locaté potential areas of groundwater dischar e to the river. Seepage meters or buried passive bag sampling could provide extens e data on the pore water characteristics along the river bottom. When compared to nown groundwater characteristics, particularly temperature, this pore water ata may reveal the extent of any groundwater discharges. Several transects or grids if seepage

meters could be placed in parts of the river suspected to be impacted by contaminated groundwater migrating from the site. Any seepage meter transects slibuld be first based on a comprehensive analysis of the vertical and horizontal groundwater flow patterns and an initial temperature profile screening of the river bottom

- 12. Groundwater Modeling, page 9-1 mentions that groundwater modelin will be performed to help determine the viability of MNA for the next phase of remedial: ation. As mentioned in the general comment, if MNA is selected for residually contaminated groundwater, as well as for the MW-19 hot spot groundwater contamination ation area, then a ROD amendment will be necessary. When will the modeling task be enformed? Prior to implementation of modeling, a modeling work plan will need to be a ubmitted, reviewed and approved by the NJDEP and EPA. The modeling work plan must clearly spell out as a minimum the type of modeling that will be conducted, in out and output parameters, specific goals that the modeling aims to achieve, and the utility of the proposed model for achieving those goals.
- Wetlands, page 9-2. According to the document, there will be wetlan impacts associated with the remedy, however, no details are provided regarding wetland restoration (e.g., seeding/planting, community type, post-restoration in onitoring, etc.). As per Clean Water Act, Section 404, Protection of Wetlands E.O. 1: 990, 40 CFR 6 App A, a wetlands assessment and restoration plan will be need to be submitted for any wetlands impacted or disturbed by the remedial activities.
- 12b. Additionally, whenever possible, Management Practices (according to Federal Register Vol. 51, No. 219, Part 330.6) should be followed to minimize unavoid ble impacts (e.g., spread of contaminants, impact of roadways) to wetlands to the maximum extent practicable while designing/implementing the remedy. Should you recuire additional information regarding wetland issues, John Cantilli of the of the Water Programs Branch is available for assistance, at 212-637-3810.
- 13. Similar to the above, Sections 2.5.1 and Section 6.13, mentions that CB impacted soil is proposed to be removed from the wetland. The discussion of this ctivity should indicate the approximate square foot area of wetlands that will be imacted and excavated. It would also be useful to include a footprint of the impacted area on site maps, as well as on a wetlands delineation map.
- 14. Section 5.7, the discussion pertaining to the conceptual end use plan for the site mentions an area that would become wetland habitat. It should be curified if this area is a new wetland that will be created or if it is the restoration of the wetland that will be excavated as part of the remedy. The area should be located on a rap.
 - When will the Remedial Action Report be submitted? It should be submitted between 60 to 90 days after the remedial action has been completed.
 - A project schedule is needed. In addition, a detailed time line and fix v chart that outlines the relationship of all planned activities and submittals shou: be provided to the EPA and NJDEP, at least several weeks prior to implementation of the proposed remedial action.

<u>United States Department of the Interior Comment Letter, dated May 24</u> 2004, Signed by <u>Timothy Kubiak</u>

Please See Separate Attachment Letter from the United States Department: the Interior.

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United States Department of the Interpr

FISH AND WILDLIFE SERVICE



EC-04/45

New Jersey Field Office Ecological Services 927 North Main Street, Building D Pleasantville, New Jersey 08232 Tel: 609/646 9310 Fax: 609/646 0352 http://njficldofficc.fws.gov

MAI 2 4 2004

Mr. Stephen Cipot, Remedial Project Manager U.S. Environmental Protection Agency, Region II Emergency and Remedial Response Division Program Support Branch 290 Broadway, 18th Floor New York, New York 10007-1866

Dear Mr. Cipot:

The U.S. Fish & Wildlife Service (Service) New Jersey Field Office has revi wed the April 2004 Remedial Action Work Plan (RAWP) for Source Reduction prepared for the | E. Carpenter & Company Site (Site), Wharton, Morris County, New Jersey, and offers the fc owing comments as technical assistance.

The Service is pleased that the RAWP reflects the March 27, 2003 comments forwarded through the Biological Technical Assistance Group (BTAG), and discussed during th October 7, 2003 meeting with Site representatives at the U.S. Environmental Protection Agen y's (EPA) Edison, New Jersey facility.

Under Section 2.5 Natural Resource Issues, a discussion of the Rockaway Ri or and its designated uses should have been included. Specifically, that portion of the inckaway River which borders the Site is classified under N.J.A.C. 7:9B-1.15 as Freshwater ? Trout Maintenance (FW2-TM) Category 1 (C1). The State-designated uses of FW: surface waters as defined in N.J.A.C. 7:9B-1.12(c) include: maintenance, migration and propagation of the natural and established biota; primary and secondary contact recreation; industrial ar agricultural water supply; public potable water supply after legally required treatment; and any iner reasonable uses. Trout maintenance surface waters are designated for the support of trot throughout the year. Moreover, C1 surface waters are designated for purposes of implement 1g the antidegradation policies set forth at N.J.A.C. 7:9B-1.5(d), for protection from measurable changes in water quality characteristics because of their clarity, color, scenic otting, other characteristics of aesthetic value, exceptional ecological significance, exceptional significance, exceptional water supply significance, or exceptional fisheries: ource(s). The Service recommends that the State designated uses of the Rockaway River be neorporated into the subject document.

The RAWP states (on page 2-10) that the Service's Great Swamp National W dlife Refuge (GSNWR) was consulted to confirm the current status of federally listed three ened and endangered animal and plant species occurring in New Jersey. Although kno rledgeable, the

GSNWR is not the appropriate Service office for threatened and endangered species consultation. This review and coordination with the GSNWR does not consultation under the Endangered Species Act (ESA) of 1973 (87 Stat. 884, as amended 16 U.S.C. 1531 et seq.). The EPA initiated informal ESA Section 7 consultation for the Site w.h the Service in a letter dated May 1, 1991 (enclosed). In response, the Service determined, it a letter dated June 3, 1991 (enclosed), that the federally listed as threatened plant swamp pink : !elonias bullata) was documented within 10 miles of the Site, and that a survey for this specie in Site-associated wetlands be conducted if those wetlands would be impacted by the remedial action. A review of our administrative record did not reveal any additional consultation. As the have been significant modifications to the project since 1991, reinitiating informal con litation pursuant to Section 7 of the ESA is required. The EPA should direct representatives of E. Carpenter & Company to reinitiate informal Section 7 consultation with the Service's New Jersey Field Office, located in Pleasantville, New Jersey, prior to the commencement of eremedial action. Please direct informal consultation reinitiation correspondence to:

Darren Harris U.S. Fish & Wildlife Service New Jersey Field Office 927 N. Main Street, Bldg D Pleasantville, New Jersey 08232 609/646-9310, extension 44.

To expedite informal consultation, refer to control # EC-04/45 in your reque .. Moreover, pursuant to 50 CFR Part 402.09, no federal agency or any applicant shall ma c irreversible or irretrievable commitment of resources which has the effect of foreclosing the formulation or implementation of any reasonable and prudent alternatives which would avo 3 violating Section 7(a)(2) of the ESA. This prohibition is in force during the consultation process and continues until the requirements of Section 7(a)(2) are satisfied.

In Appendix M, page 16, section IV.6.5 Endangered Species, the Service is 1 colear as to what habitat survey report is being referred to in the EPA comments. Again, reini ating informal consultation pursuant to Section 7 of the ESA is required.

The Service appreciates the opportunity to review the subject document, and s interested in reviewing any future Site-related documents. If you have further questions, ease contact Environmental Contaminants Specialist Clay Stern of my staff at 609/383-35 8, extension 27.

Sincerely.

Assistant Superv ;or

Enclosures (2)



UNITED STATES ENVIRONMENTAL PROTECTION AG NCY

REGIONII

JACOB K. JAVITS FEDERAL BUILDING

MAY 01 1991

NEW YORK, NEW YORK 10276

Mr. Clifford G. Day
Field Supervisor
U.S. Fish & Wildlife Service
927 North Main Street (Bldg. D)
Pleasantville, New Jersey 08232

Dear Mr. Day:

This letter is intended to initiate informal consult: ion with the U.S. Fish and Wildlife Service to determine if there are any federal endangered/threatened species or critical habitats present in the vicinity of the Dayco/L.E. Carpenter lational Priorities List Site. This site is located in Whart: 1, Morris County, New Jersey. I have enclosed information regarding the site, including maps of the affected area, for your 1 eview.

In compliance with the mandate of Section 7 of the Er angered Species Act of 1973, as amended, EPA is requesting a ritten statement from you indicating whether any endangered or threatened species which are listed or proposed to be listed may be present in the project area. Please advise us conserning the species that may be found in the area, and whether reledial action for the site may result in impacts to these species.

If you have any questions or require additional infor ation, please contact Susan Osofsky of my staff at (212) 264 6716. We appreciate your assistance in this matter.

Sincerely yours

Robert W. Hargrove, Chief Environmental Impacts; Branch

Enclosure

cc: A. Miller, DOI

P. Nickerson, Faws



United States Department of the Interor

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ES-91/89

Fish and Wildlife Enhancement 927 North Main Street (Bldg. D1) Pleasantville. New Jorsey 08232

> Tel: 609-646-9310 FAX: 609-646-0352

> > Jun 3, 1991

Mr. Robert W. Hargrove, Chief Environmental Impacts Branch U.S. Environmental Protection Agency 26 Federal Plaza New York, New York 10278

Dear Mr. Hargrove:

This letter is in response to your May 1, 1991, request to the ish and Wildlife Service (Service) for information on the presence of derally listed and proposed endangered and threatened species within the study area of the Dayco/L.E. Carpenter National Priorities List Site in Wharton, orris County, New Jersey.

This response is provided pursuant to the Endangered Species Ac (Act) of 1973 (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq.) to ensure the protection of endangered and threatened species and is intended to assist you assessments, investigations and planning being conducted pursuant to Section 104 (a) of the Comprehensive Environmental Response, Compensation and Liability Act as amended by the Superfund Amendments and Reauthorization Act. I see comments do not represent any position the U.S. Department of the Interior may adopt concerning possible injury to natural resources under the Department's trusteeship.

The federally threatened plant species Helonias bullata (swamp ink) is documented to exist in forested wetlands within 10 miles of the project study area. This population is the northernmost occurrence for the secies in the United States. We have reviewed the Service's National Wetland Inventory map for the project area and note there are palustrine forested were ands at the project site, therefore, it is possible that swamp pink could to present. If these wetlands will be impacted by the proposed project, we recommend that a survey be conducted to determine the absence or presence of swamp pink. The results of the survey should be forwarded to this office for review. Except for an occasional transient Bald Eagle (Haliaeetus leucocephairs) or Peregrine Falcon (Falco peregrinus), no other federally listed or propose threatened or endangered flora or fauna are known to occur in the proposed study area.

Enclosed is a summary of federally listed and candidate species in New Jersey for your information. Candidate species are those species und consideration by the Service for possible inclusion on the List of Endangered and Threatened Wildlife and Plants. Although these species receive no substantive or procedural protection under the Endangered Species Act, the Setrice encourages federal agencies and other planners to consider candidate species in the

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project planning process. The New Jersey Natural Heritage Program provides the most up-to-date data source for candidate species in the Sate, as well as maintaining information on State listed species, and may be contacted at the following address:

Mr. Thomas Breden
Natural Heritage Program
Division of Parks and Forestry
CN 404
Trenton, New Jersey 08625
(609/984-0097)

Further information on State listed species may be obtained fr π the following office:

Ms. JoAnn Frier-Murza Endangered and Nongame Species Progra Division of Fish, Game and Wildlife CN 400 Trenton, New Jersey 08625 (609/292-9101)

Please contact Dana Peters of my staff if you have any questio s or require further assistance regarding threatened or endangered species.

Sincere y,

Cliffor G. Day Supervior

Enclosures

UST SAMPLING, CLEANING AND REMOVAL PAPERWORK

RAPID NSE MSE

Rapid Response

14 Brick Kiln Court, Northampton, PA 18067 Tel. (484) 275-6900 Fax (484) 275-6970 www.RRI - hazmat.com

DAILY RECORD

Customer RM							Date: Tuesday, February 17, 2004						
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retain the baste contact scope to well-chaste investigated tank and conductation of the contained in seed 4 Gas Meter, to chew started to remove the concerns about return 2/18 to finist taged drums on site. Frew collected (2) two rew, cleaned and security and security contact in the content of the content	Waher Kurz in First St. found volum in first indest naide the tar sheck air qui e the liquide completing n pumping of samples fo med site. De	gia to detentife First items me of materia ground tank a nk prior to rer ality inside to s using a utili the removal off the liquids of analysis.	escope divine the table of (liquid and addergraine noval) in priorito properties and cleaning and to also and to also	andat Re es sludge) is red that the s	tome destinations of the control of	eignings anticipated with a lity ok.	temovin	g the t	ink wo	uld be t	o remove		
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Rapid Response

RAPID NSE MC.

14 Brick Kiln Court, Northampton, PA 18067 Tel. (484) 275-6900 Fax (484) 275-6970 www.RRI - hazmat.com

DAIL	Y	RE	\mathbf{C}	O	R	\mathbf{D}	
------	---	----	--------------	---	---	--------------	--

Project #: Tank	removal-W	Vharton, NJ			Date:	Wedn	esday, Feb	uary	18, 2004	
Customer: RM	T Inc.		W. 7		Customer Co				er Kurzeja	
Job Location:	Wharton, 1	VJ			Customer Ph				33-4247	
Names	Code	Start	On Site Start	On Site Finish	Finish	QTY.	i i i i i i i i i i i i i i i i i i i			
Joe Solt	RM	545			1545	1	Health &	Safets	y - Level C	
Brian Rehrig	RT	545			1545	2			- Level D	
John Pürsell	"RT	545			1545	1	Floor Dry			
					1	. 22	17H 55.g			
<u> </u>	;				•		Oil Wipes	- Bal	e	
	destar	·		The state of			Poly Shee	ing -	roll	
					4,5	- Ame - 7		THE STATE OF	10	
	-	} 					-			
	1									
EQU	IPMENT		QTY	1	EQUIPMENT	A	Ö	ΤΥ	DISPOSAL / MANIFE	
Response Trück	· · ·		1	··-· · ·	-	- 			DISPOSAL / MANIFE	
Response Trailer	·		1	. 48.7						
Confined Space Kit			111						Bill of Lading# 5370	
Sawzall		******	11					[]		
?" Pump	.,		1					-		
Section 2" Solid Hose								╌╬		
3/4" Sump Pump			4					-		
Generator	 		1				<u> </u>	1	Topic -	
4-Gas Meter Hand Tools			1							
trang roots	 									
			JOB DES	CRIPTIO	ON/REMARK	re.				
Mobilized equipment	and crew t	o site. Condi	cted Health	& Safaty m	octine with all		****	٠ <u>.</u>		
Used A Gas Meter to	heck sir o	rality ingide +			derrors With all O	a site pers	onnel.			
Began pullipling the re	14 500 600		OT DITION TO	benoming	any work. Air qu	ality ok.	1.77			
After most liquid was	eneminis, me	FIRE TISHIS FUE	Z pump.							
After most liquid was	removed, r	ne excavator	(provided by	the client)	was used to pull	the tank o	ut of the gr	ound	•	
Committee rather was his	rece of flot	y ioi staging.	and cleaning	r	•		-			
Jsed saw zall to cut a	n access ho	ole in the side	of the tank	in örder to d	o a confined spa	ce entry.				
3/4 sump pump wa	s used to re	emove the ren	naining liqui	ids.						
set up confined space	equipment	for entry. Co	mpleted con	fined space	entry permit and	air monite	oring.	- <u>-</u> -	<u>, , , , , , , , , , , , , , , , , , , </u>	
the entry was perform	ed and the s	solids and slu	dge were rer	noved by sh	Aveling some				terior surface of the tank.	
THE POST PROPERTY IS	COSC TOTTO A	en ann me Mi	des used, we	te blaced in	to drawe and lak	6-1		iid-iin	terior surface of the tank.	
he tank was then roll	ed off the p	oly and the p	oly was clea	unb bus bou	mmed along said	L all bor	tunigly.			
he excavator was use	d to lift the	tank and load	d it onto a fl	athed track	to he transmit to	n all PPE	used.	· • · · ·	· · · · · · · · · · · · · · · · · · ·	
ompleted all paperwe	rk required	L for transpor	tation Deco	n nil tania a	to be transported	off site to	a scrap m	etal y	ard,	
lleanup activities gene	reted · 16	dama essi-		it att toots at	id equipment.			·		
eft (2) two empty 55	gal, drums	On site as rea	mable liquid	d, 2 PPE and	plastic drums,	drum of	tank bottor	ns, ar	nd 1 drum of soil samples	
		42 100	-www. IV O	c used by K	wit. Cleaned and	d secured	site. Demo	b fror	n site.	
ustomer Signature); <u> </u>			מ	3840'nomini		=			
							7	O-	. 14	
ustomer Signature ate:					ate: cropy		ebruary 1	oe Sc		

Non Hazardous Manifest/Bill Of Lading

/Environmenta 719 Roble Ro Allentown, PA Phone 610-26 Fax 610-264-	64-8280 8580	ı, Inc. (EWMI)	Docum Job/Pro			
THIS SECTION T	O BE COMPLETED BY	GENERATOR:	*			
COMPANY NAME	PADDRESS RMT, 1025 E. Be rand Rapid	Inc. Itlino Ave. Is, MI 4950	16	PA NEW EMERGI	RESPONSE RESPONSE ENCYPHONE *	ONTACT
CUNKTER	SKETTE		DESCRIPTION	THE RESERVE TO STREET	AP STOM	V. WEGENWOLLENE
	5000.j.				305013	631)2300 P
	· · · · · · · · · · · · · · · · · · ·		4			
proper condition for to regulations of the DOT		beled and are in the applicable	ENOTS SIC	NATURE		14.7
THIS SECTION TO	BE COMPLETED BY	HAULER / TRANSPORT	ER:	3.2		
TOTOTI TENERONO	# Truck:		GOPESS:	BOX NUMBER-OI	Total Control of the	PHONE NO. () - COMMENTS
were accepted for train	he above described wastensportation at the production	er's X Alar	IATURE		· · ·	DATE
site for delivery to the hereupon.	waste facility. Both as its	red PRINT DRIVER	Latar	LEG		e de la companya del companya de la companya del companya de la co
FACILITY NAME	TO SOME CENTED BY M	EVEIVER AT DISPOSAL	DDRESS	NCE SIGNED, A COP	Y MUST BE FORWAR	DED TO EWMI AND GENERATOR)
	nsfalts	^		ocker form	Pa.	PHONE NO.
dereby cartify that the delivered to this Facility, and permitted to receive	above described wastes w that the Facility is authoric such wastes.	ere ALUT FORIZZED S	- med	ov' C		Mars

Blue Marsh Laboratories, Inc. 1605 Benjamin Franklin Highway Douglassville, PA 19518

Invoice

DATE	INVOICE NO.
2/24/2004	40556

BILL TO

Environmental Waste Minimization, Inc. 14 Brick Kiln Court Northampton, PA 18067

PE/PROJECT NO.	TERMS			ADATE REGO	BML LAB NO.
	Net 30	3/25/2004	2/18/2004	2/19/04	37639
QTY		DESCRIPTION		RATE	AMOUNT
1	6-RGRA Metals (PCBs (608/8081) Semivolatiles (GC/MS Volatiles (GC/MS pH Reactive Cyanide Flashpoint (ASTM	2/MS=625/8279C -624/8260B))	87.50 437.50 175.00 8.75 61.25 35.00	196.00 87.50 437.50 175.00 8.75 61.25 35.00
ļ	Project: LE Carpe RUSH - 48 HR T/ Project Mgr. Davi	N T		K	
			3/1/0	4	
: : :	27-8196 with any c	· · · · · · · · · · · · · · · · · · ·	·	:	

Environmental Waste Minimization, Inc. 719 Roble Road - Suite 103 - Allentown, PA 48109 Tel. 610-264-8280 Fax 610-264-8580

	I hereby authorize Environmental Waste Minimization, Inc. (EWMI) to process my sample(s) and/or associated paperwork. My company will be invoiced \$ for the sample(s) and profiles submitted below. This includes the technical review, finder analysis, and administrative process. Approval fee is \$250 per sample	Mesting Amount Could The School Sould Act of Cold School Sould Act	Total to be invoiced ->
			Total t
CHAIN-OF-CUSTODY FORM		4 John John John July 200 125	
	State Addicess: L. S. C. of P. C. of P. C. of P. C. of P. Of	Sumple DATE TIME COMP GRAB Number V V V V V V V V V	Transfer e se s



PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION Bureau of Land Recycling and Waste Management P.O. Box 8550 Harrisburg, PA 17105-8550 OFFICIAL DEPMENT VANIA MELICIPAL CORM

Form approved.

UNIFORM HAZARDOUS 1. Generator FUS EPA ID	ENNSYLVANIA MEN	EST FORM		· ·		STREET TO SERVICES.
WASTE MANIFEST NJOODALGUTUR	.; 28	Manthod 7/10	2. Page of	information with not required by required by Str	e Sadarai law	red border is but may be
2. Generator's Name and Halling Address F.E. CATLEMANT 170 N. Main St. Whaton, NJ 0788-4. Generator's Phone (973) 366-1056	Company		A. State	Manifest Document Nu	0371	10
4. Generators Phone (973) 366-1056	5		B. State	Gen. ID SAME		1.0
	ROUDSOIS	~~	C. State	Trans. ID		P50018
7. Transporter 2 Company Name	8. US EPAID Number	17		Porter's Phone (98	(111 (1. 3) 	-69/77
9,0 esignated Ficility Hame and Site Address	10. US EPA ID Number		E. State	Trans. ID	1107-	2,00
Republic Environment Systems Inc. 1869. Sandstone Or.	The state of the s			L-AH porter's Phone (}	
	35690592			Facility's ID	602	1676
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Humb HM	•	12. Corita		13. Total	14. Unit	I. Weste No.
A wask flammable solid , or once of the land of the la	S. M.L.	No.	Type	Quantity	WINNE	4000k
		CXX	DM	οοεκχ	P	
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d.		1,0				
		;	:	, •a •		
Additional Descriptions for Material's Eleted Above		B B	K. Handling	Codes for Wastes List	ed Above	
_			•	L		
				5.		
15-Special Handling Instructions and Additional Information	Walter to the contract of the		b	la.		
Emergency Phone: 973 366_	1050					
0 (0 003kDr	1075	5⁄ .				
T-100 888	0-10-3		- R=	-0	1	C. A. Santa C.
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of classified, packed, marked and lebeled and are in all contents that the contents of classified, packed marked and lebeled and are in all contents.	of this consignment are fully	and accurately	desčriběci š	bove by prince entry	7 6 .	τ,
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of classified, packed, marked and labeled and are in all respects in proper condition. If I am a large quantity generator, I certify that I have a program in placetic practicable and that I have selected the practicable method of treatment, storage, the sovironment; OR, if I am a small quantity generator, I have made a good faith to me and that I can afford. Printed College Market	In transport by highway according the Volume and toxics of toxics of the control	ording to applicity of waste gen extensions which	cable intern erated to the minimizes the	etional and national oc ne degree I have deter ne present and future t	overnment re mined to be fireat to hum	guiations. economically an health and
Printed Frage Barre CONDON	1 Siginatura		select the I	***	Int method to	nat is available
	Low lo	KOD!			3 2.	7 04
Scott Stongowsk	Sterializa	16	~ 2 1 11	when it	3,3	304
Printed/Typed Name	Signature				O HTHON	
19. Discrepancy indication Space				<u>, </u>		
Facility Owner or Operator: Corribostion of secolar of hand				<u></u> .		
Facility Owner or Operator; Certification of receipt of hazardous materials covered by Printed/Typed Name 24 N A V 5 C	this manifest except as note	d in Nem 18.	4		ONTH D	
PAN A VISE		- U	1/		ر 🛚 ۲	604



LIP SERVICE		DIEDA	7641	DESTRICTION NOTITION TO THE PROPERTY OF THE PR			7 -
enerator Name				RESTRICTION NOTIFICATION CERTIFICATION FO			
		771		Generator EPA ID Number: 1	1700	021687	AR
Manifest Numb		•					
The purpose of 268, to the treatn specified in 40 C treatment stands	this form is to providenent, storage or disposi FR 268.7, I have indi- ards found in 40 CFR	e approprial facilities to the control of the contr	priate national ty which the state of the st	otification/certification, in accordance with the Land Disposal Restriction regi th receives the wastes referenced below. In accordance with the waste analysis refevant information required to properly manage my waste(s) in compliance wi	ulations set and records th the Land	forth in 40 CFR seeping requiren Disposal Restri	l Part nents iction
Approveditu Oute	di Prodicat Elic # fog. 1150. i (hi)	W.	報報が	List the EPA Waste Codes, Subcategories and/or Constituent(s) of Concern (these may also be identified by attaching a URC Table Form)*	tvics*	Classification Group	والمستنا
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Nat of section	1000			The second of th			Ţ"
WWIN	SHEW SILEN	<u>.</u>	<u></u>	the same of the sa	SWW.	in-Willemie	ļ
• The Unde	dving Hazardous Cor	Istitizent	e (1 fH/	Cs) must be identified for characteristic waste streams, EPA Waste Codes DO	•		
(pintace) and F039 w Class A. B. C D. F. G. H. I.	restles. Restricted wastes wh Restricted wastes wh Restricted wastes wh Restricted wastes tha Restricted wastes tha Restricted wastes sha Restricted wastes sha Restricted wastes sha Restricted wastes sha Restricted wastes who Restricted wastes wastes This contamina standards as pro Contaminated Soils the This contaminate standards as pro This contaminate treatment standards wastes	ich requested to a leady tree already tree a	d Approvide the control of the contr	meet LDR Treatment Standards. d to meet Universal Treatment Standards (UTS) including underlying hazards reatment Standards without proof treatment, imption or Variance. This waste is not prohibited from land disposal until tive Treatment Standards in 40 CFR 268.45 (List Contaminants). tent Standards in 40 CFR 268.40, tive Treatment Standards under 40 CFR 268.42(c) zardous characteristic(s) but require further treatment for underlying hazards receitment standards contain listed waste and does exhibit a characteristic of hazardous waste at 3.49(c) or the UTS. contain listed waste and does not exhibit a characteristic of hazardous waste a 3.49(c) or the UTS. sit contain listed waste and does exhibit a characteristic of hazardous waste a 3.49(c) or the UTS. nent standards neath listed waste and does not exhibit a characteristic of hazardous waste a 3.49(c) or the UTS. nent standards neath listed waste and does not exhibit a characteristic of hazardous waste and 3.49(c) or the UTS.	of concern ous constitutes constituted in subjected in s	for F001-F005 ents (UHCs). (date). ents (list constitute to the soil treate the soil treate to the soil treate with the soil treate with the soil treate with the soil treate the soil tr	uents). atment atment atment
The applicable co Classification Gro	rtification statements	corres	ponding	g to the Classification Groups identified above are as follows:			
Classification Gro	treatr this is stand penal pup C: I ce the to	nformati ards spe ties for rufy und azardous 268.48	on, I be cified i submit der per chara Unive	alty of law that I have personally examined and am familiar with the treatment sed to support his certification. See donor, highly of those individuals immedience that the treatment process has been or the ladd maintained properly so in 40 CFR 268.40 without impermissible dilution of the prohibited waste. I aming a false certification, including the possibility of his and imprisonment halty of law that the waste has been treated in accordance with the requirement certification and that underlying hazardous constituents, as defined in \$268.2(i), sail Treatment Sandards. I am aware that there are significant penalties for a light of the entire treatment.	dialogy resp as to comp aware than his of 40 C	consible for obtaining with the treat there are signi	aining itment ificant emove
Classification Gro	up D: "I ce throu Part	rtify un gh know 268 Subi	der pe ledge part D.	maily of law that I personally have examined and am familiar with the waste of the waste to support this certification that the waste compiles with the treatment of the line of the waste compiles with the treatment of the line of the	through a	nalysis and test	ing or
Classification Gro	up H: "I cei waste facili signii	rtify und is which ty in co licant pe	er pen 1 have Impliar Inalties	alty of law that I personally have examined and am familiar with the waste an not been excluded under appendix IV to 40 CFR part 268 and that this lab price with the alternative treatment standards for lab packs at 40 CFR \$268.4 is for submitting a false certification including the packs at 40 CFR \$268.4	d that the lack will be 2(c). I am	ab pack contain sent to a comb aware that the	s only ustion re are
Classification Gro	the hat to me the po	zardous et unive ossibilin	chara rsal tre of fin	cteristic. This decharacterized waste contains underlying hazardous constitue ament standards. I am aware that there are significant penalties for submitting or imprisonment.	nts of 40 C nts that req ng a false c	uire further tres ertification, inc	luding
	treatm with t	reatmen	t stand	ity of law that I have personally examined and am familiar with the treatment to support this certification and believe that it has been maintained and opeards specified in 40 CFR 268.49 without impermissible dilution of the prohibite lities for submitting a false certification, including the possibility of fine and in	erared brob	erly so as to co	of the mply there
Signature	he loud	W		Title:	7/2	rad	
Services Corporati	2/1					5 iv 20 5 50 5	

RECEIVED FEB 2 6 2007

Douglassville Location: 5 Benjamin Franklin Highway Douglassville, PA 19518 Phone: (610) 327-8196 Fax: (610) 327-6864

> NJ DEP Cert #PA925 PA DEP Cert #06-409



ABORATORIES

Professional testing for the critical decision

- CERTIFICATE OF ANALYSIS -

Client: Environmental Waste Minimization Inc.

14 Brick Kiln Court

Northampton, PA 18067

Attn: David Pohwat

Project: LE Carpenter

Princeton Location: 267 Wall Street Princeton, NJ 08540 Phone: (609) 924-5151 Fax: (609) 924-9692

NJ DEP Cert #11198

LAB #: 37639-1

Sample Type: Sludge

Sample ID: Tank Bottoms/ Sludge Solids (A)

Collected By: Client

Collected: February 18, 2004

Source:

Report Date: February 23, 2004

Received: 21904				Helhed	Init	Analysis Date
Met-6010B-TCLP Arsenic - TCLP Barium - TCLP Cadmium - TCLP Chromium - TCLP Lead - TCLP Selenium - TCLP Silver - TCLP	< 0.005 0.184 < 0.005 0.051 0.081 < 0.005 < 0.005	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	0.005 0.005 0.005 0.005 0.005 0.005	6010B 6010B 6010B 6010B 6010B 6010B	KJP-DV KJP-DV KJP-DV KJP-DV KJP-DV KJP-DV	2/20/04 12:07 2/20/04 12:07 2/20/04 12:07 2/20/04 12:07 2/20/04 12:07 2/20/04 12:07 2/20/04 12:07
Met-7471A-TCLP Mercury - TCLP	< 0.0002	mg/L	0.0002	7471A	K1P-DV	2/20/04 13:52
TCLP Extraction TCLP Extraction - TCLP	DONE			1311	KJP-DV	2/20/04 8:30

Douglassville Location: 5 Benjamin Franklin Highway Douglassville, PA 19518 Phone: (610) 327-8196 Fax: (610) 327-6864

> NJ DEP Cert #PA925 PA DEP Cert #06-409



LABORATORIES

Professional testing for the critical decision

- CERTIFICATE OF ANALYSIS -

Client: Environmental Waste Minimization Inc.

14 Brick Klin Court Northampton, PA 18067

Attn: David Pohwat

-

Project: LE Carpenter

Sample Type: Sludge

Sample ID: Liquid From Tank (B)

Princeton Location: 267 Wall Street

Princeton, NJ 08540 Phone: (609) 924-5151

Fax: (609) 924-9692

NJ DEP Cert #11198

LAB #: 37639-2

Collected By: Client

Collected: February 18, 2004

.. Source:

Report Date: February 23, 2004

Received: 2/19/64	RESUL	Units	PQL	Method	Init :	malysis Date
Abstract Test	KEDIBL	100 E A D 100 PAR				
Flashpoint		-		SW846	DJC-DV	2/23/04 13:15
Ignitability	94.	F	1			
PCB-8082-sd		n	200	8082	SMS-DV	2/20/04 17:56
Aroclor-1016	< 200.	ug/kg	200	8082	SMS-DV	2/20/04 17:56
Arodor-1221	< 200.	ug/kg	200	8082	SMS-DV	2/20/04 17:56
\roctor-1232	< 200.	ug/kg	200	8082	SMS-DV	2/20/04 17:56
Arodor-1242	< 200.	ug/kg	200	8082 8082	SMS-DV	2/20/04 17:56
Araclor-1248	< 200.	ug/kg	200		SMS-DV	2/20/04 17:56
Arodor-1254	< 200.	ug/kg	200	8082	SMS-DV	2/20/04 17:56
Aroclor-1260	< 200.	ug/kg	200	8082	3113-04	2,20,01 27:00
SVol-8270C-sd				22700	SMS-DV	2/20/04 15:21
1,2-Diphenylhydrazine	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
2,3,4,6-Tetrachlorophenol	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
2,4,5-Trichlorophenol	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
2,4,6-Trichlorophenol	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
2,4-Dichlorophenol	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
2,4-Dimethylphenol	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
2,4-Dinitrophenol	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
2,4-Dinitrotoluene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
2,6-Dichlorophenol	< 500.	ug/kg ·	500	8270C	_	• •
2,6-Dinitrotoluene	< 500.	ug/kg	500	8270C	SMS-DV	
2-Chloronaphthalene	< 500.	ug/kg	500	8270C	SMS-DV	
2-Chlorophenol	< 500.	ug/kg	500	8270C	SMS-DV	•
2-Methylnaphthalene	533010.	ug/kg	500	8270C	SMS-DV	
	< 500.	ug/kg	500	8270C	SMS-DV	
2-Methylphenol	< 500.	ug/kg	500	8270C	SMS-D\	
2-Nitroaniline	< 500.	ug/kg	500	8270C	SMS-D\	
2-Nitrophenol	< 500.	ug/kg	500	8270C	SMS-D	
3,3-Dichlorobenzidine	< 500.	ug/kg	500	8270C	SMS-D	
3-Nitroaniline	< 500.	ug/kg	500	8270C	SMS-D	
4,6-Dinitro-2-methylphenol	•	ug/kg	500	8270C	SMS-D	v 2/20/04 15:2
4-Bromophenyl phenyl ether	< 500.	ug/kg	500			

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Page 2 of 7

Douglassville Location: 95 Benjamin Franklin Highway Douglassville, PA 19518 Phone: (610) 327-8196 Fax: (610) 327-6864

> NJ DEP Cert #PA925 PA DEP Cert #06-409



LABORATORIES

Professional testing for the critical decision

- CERTIFICATE OF ANALYSIS -

Client: Environmental Waste Minimization Inc.

14 Brick Kiln Court

Northampton, PA 18067

Sample Type: Sludge

Sample ID: Liquid From Tank (B)

Princeton Location:

267 Wall Street

Princeton, NJ 08540

Phone: (609) 924-5151

Fax: (609) 924-9692

NI DEP Cert #11198

LAB #: 37639-2

Collected By: Client

Collected: February 18, 2004

Source:

AND THE PARTY OF T

Project: LE Carpenter

Attn: David Pohwat

and the second s			Fi c	port Date: #elin	增长23, 2004	
Received: 319 04	Result	Units	PQL	Mether	init At	Divse Date
Abstract Test	< 500.	· · ug/kg	500	8270C	SMS-DV	2/20/04 15:21
4-Chloro-3-methylphenol	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
4-Chloroaniline	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
4-Chlorophenyl phenyl ether	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
4-Methylphenol	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
4-Nitroanlline	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
4-Nitrophenol	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
cenaphthene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Acenaphthylene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Anthracene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Benz(a)anthracene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Benzo(a)pyrene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Benzo(b)fluoranthene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Benzo(g,h,i)perylene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Benzo(k)fluoranthene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Benzoic acid	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Benzyl alcohol	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Bis(2-chloroethoxy)methane	< 500.	ug/kg	500	8270C	SMS"DV	2/20/04 15:21
Bis(2-chloroethyl) ether	< 500.	ug/kg	500	8270C	5MS-DV	2/20/04 15:21
Bis(2-chloroisopropyl) ether	83265.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Bis(2-ethylhexyl) phthalate	< 500.	ug/kg	~~5 <u>90</u>	8270C	SMS-DV	2/20/04 15:21
Butyl benzyl phthalate	< 500.	ug/kg ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Carbazole	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Chrysene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Di-n-butyi phthalate	5425.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Di-n-octyl phthalate	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Dibenz(a,h)anthracene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Dibenzofuran	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Diethylphthalate	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Dimethyl phthalate	< 500.	ug/kg ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Fluoranthene		ug/kg	500 500	8270C	SMS-DV	2/20/04 15:21
Fluorene	< 500.		500	8270C	SMS-DV	2/20/04 15:21
Hexachlorobenzene	< 500.	ug/kg ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Hexachlorobutadiene	< 500.	ug/ kg	300		•	• -

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Page 3 of 7

Douglassville Location: 35 Benjamin Franklin Highway Douglassville, PA 19518 Phone: (610) 327-8196 Fax: (610) 327-6864

> NJ DEP Cert #PA925 PA DEP Cert #06-409



ABORATORIES

856

Professional testing for the critical decision

- CERTIFICATE OF ANALYSIS -

Client: Environmental Waste Minimization Inc.

14 Brick Kiln Court

Northampton, PA 18067

Sample Type: Sludge

Sample ID: Liquid From Tank (B)

Princeton Location:

267 Wall Street

Princeton, NJ 08540

Phone: (609) 924-5151

Fax: (609) 924-9692

NI DEP Cert #11198

LAB #: 37639-2

Collected By: Client

Collected: February 18, 2004

Source:

Project: LE Carpenter

Attn: David Pohwat

Report Date: February 23, 2004

manufallia			A	port Date: Febru	mry 23, 2004	
Received: 2/19/64	Result	Units	POL	Method	Eriff Af	ralysis Udice
Abstract Test	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Hexachloroethane	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Indeno(1,2,3-cd)pyrene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Isophorone	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
N-Nitroso-di-n-propylamine	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
N-Nitrosodimethylamine	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
V-Nitrosodiphenylamine	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Altrobenzene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Pentachlorophenol	1060.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Phenanthrene	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Phenoi	< 500.	ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Pyrene	< 500.	ug/kg ug/kg	500	8270C	SMS-DV	2/20/04 15:21
Pyridine	< 500.	ug/ng	300	42.75		
Vol-8260B-sd					LATER DATE	2/20/04 12:50
1,1,1,2-Tetrachloroethane	< 969.	ug/kg	969	8260B	VG-MCM	2/20/04 12:50 2/20/04 12:50
1,1,1-Trichloroethane	< 969.	uġ/kg	969	8260B `	MJM-DV	2/20/04 12:50
1,1,2,2-Tetrachloroethane	< 96 9.	ug/kg	969 _{0%}	8260B	VO-MUM	2/20/04 12:50
1,1,2-Trichloroethane	< 969 .	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
1,1-Dichloroethane	< 969.	ug/kg	969	8260B	MJM-DV	
1,1-Dichloroethere	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
1,1-Dichioropropanone	< 969.	ug/kg	969		MJM-DV	2/20/04 12:50
1,1-Dichloropropene	< 969.	ug/kg	969	8260B	VG-MCM	2/20/04 12:50
1,2,3-Trichloroberizene	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
1,2,3-Trichloropropane	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
1,2,4-Trichlorobenzene	< 9 69.	ug/kg	969	8260B	VG-MLM	2/20/04 12:50
1,2,4-Trimethylbenzene	90862.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
1,2-Dibromo-3-chloropropane	< 9 69.	ug/kg	969	8260B	VD-MLM	2/20/04 12:50
1,2-Dibromoethane	< 969.	uġ/kg	969	8260B	VO-MUM	2/20/04 12:50
1,2-Dichlorobenzene	< 969.	ug/kg	969	82608	MJM-DV	2/20/04 12:50
1,2-Dichloroethane	< 969.	ug/kg	969	8260B	VO-MLM	2/20/04 12:50
1,2-Dichloropropane	< 969.	ug/kg	969	82608	MJM-DV	2/20/04 12:50
1,3,5-Trimethylbenzene	44612.	ug/kg	969	82608	VG-MCM	2/20/04 12:50
1,3-Dichlorobenzene	< 969.	ug/kg	969	8260B	VO-MCM	2/20/04 12:50
TO DIGITION ICO IC					•	B 4 -67

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Page 4 of 7

Douglassville Location: 405 Benjamin Franklin Highway Douglassville, PA 19518 Phone: (610) 327-8196 Fax: (610) 327-6864

> NJ DEP Cert #PA925 PA DEP Cert #06-409



LABORATORIES . INC

Professional testing for the critical decision

- CERTIFICATE OF ANALYSIS -

Client: Environmental Waste Minimization Inc.

14 Brick Kiln Court

Northampton, PA 18067

Attn: David Pohwat

Project: LE Carpenter

Sample Type: Sludge.

Sample ID: Liquid From Tank (B)

Princeton Location:

267 Wall Street

Princeton, NJ 08540

Phone: (609) 924-5151

Fax: (609) 924-9692

NJ DEP Cert #11198

LAB #: 37639-2

Collected By: Client

Collected: February 18, 2004

- Source:

Received: 2/13/04 Report Date: February 23, 2004

			7: 10.136.63		Adams of the second	77
Alstraci Test	Result	Units	PÇL	Method		Anniysis Date
1,3-Dichloroproparie	< 969.	ug/kg	969	8260B	MUM-DV	2/20/04 12:50
1,4-Dichlorobenzene	< 969.	ug/kg	969	8260B	VO-MUM	2/20/04 12:50
1-Chlorobutane	< 9690.	ug/kg	9690	8260B	VQ-MLM	2/20/04 12:50
2,2-Dichloropropane	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
2-Butanone	< 9690.	ug/kg	9690	82608	MJM-DV	2/20/04 12:50
2-Chlorotoluene	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
2-Hexanone	< 9690.	ug/kg	9690	8260B	MJM-DV	2/20/04 12:50
Nitropropane	< 9690.	ug/kg	9690	8260B	MJM-DV	2/20/04 12:50
4-Chlorotoluene	< 969.	ug/kg	969	8260B	MJM-DV.	2/20/04 12:50
4-Isopropyitoluene	4215.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
4-Methyl-2-pentanone	< 9690.	ug/kg	9690	8260B	MJM-DV	2/20/04 12:50
Acetone	< 9690.	ug/kg	9690	8260B	MJM-DV	2/20/04 12:50
Acrylonitrile	< 9690.	ug/kg	9690	8260B	MJM-DV	2/20/04 12:50
Allyl chloride	< 9690.	ug/kg	9690	8260B	MJM-DV	2/20/04 12:50
Benzene	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
Bromobenzene	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
Bromochloromethane	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
Bromodichloromethane	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
Bromoform	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
Bromomethane	< 96 9 .	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
Carbon disulfide	< 96 9 .	ug/kg	969	8260B	VG-MEM	2/20/04 12:50
Carbon tetrachioride	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
Chloroacetonitrile	< 9690.	ug/kg	9690	8260B	MJM-DV	2/20/04 12:50
Chlorobenzene	< 9 69 .	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
Chloroethane	< 969.	ug/kg	969	8260B	VO-MUM	2/20/04 12:50
Chloroform _	< 969.	ug/kg	969	8260B	VG-MLM	2/20/04 12:50
Chloromethane	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
cis-1,2-Dichloroethene	< 9 69.	ug/kg	969	8260B	VO-MEM	2/20/04 12:50
cls-1,3-Dichloropropene	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
Dibromochioromethane	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
Dibromomethane	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
Nichlorodifluoromethane	< 969.	ug/kg	969	8260B	VG-MUM	2/20/04 12:50
chloromethane	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
1		- 34 - 3				-,,

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Page 5 of 7

Douglassville Location: 05 Benjamin Franklin Highway Douglassville, PA 19518 Phone: (610) 327-8196 Fax: (610) 327-6864

> NJ DEP Cert #PA925 PA DEP Cert #06-409



LABORATORIES

Professional testing for the critical decision

- CERTIFICATE OF ANALYSIS -

Client: Environmental Waste Minimization Inc.

14 Brick Kiln Court

Northampton, PA 18067

Sample Type: Sludge

Sample ID: Liquid From Tank (B)

Princeton Location:

267 Wall Street

Princeton, NJ 08540

Phone: (609) 924-5151

Fax: (609) 924-9692

NJ DEP Cert #11198

LAB #: 37639-2

Collected By: Client

Collected: February 18, 2004

Source:

Attn: David Pohwat Project: LE Carpenter

Received: 2/19/04	1 day of my.co.co		:Re	pert Date: Fe	ining 23, 200	4
Abstract Test	Result	Units	POL	Method	Init A	nalysis Date
Diethyl ether	< 9690.	ug/kg	9690	82603	VO-MUM	2/20/04 12:50
Ethyl benzene	7161.	ug/kg	969	8260B	VG-MUM	2/20/04 12:50
Ethyl methacrylate	< 9690.	ug/kg	9690	8260B	MJM-DV	2/20/04 12:50
Hexachlorobutadiene	< 969.	ug/kg	969	8260B	VO-MUM	2/20/04 12:50
Hexachloroethane	< 969.	ug/kg	969	82608	VO-MUM	2/20/04 12:50
Isopropylbenzene	4050.	ug/kg	969	8260B	MJM-DV	2/20/04 12:50
Methacrylonitrile	< 9690.	ug/kg	9690	8260B	VO-MUM	2/20/04 12:50
ethyl iodide	< 9690.	ug/kg	9690	8260B	VG-MCM	2/20/04 12:50
Methyl tert-butyl ether	< 969.	ug/kg	969	8260B	MJM-DV.	2/20/04 12:50
Methylacrylate	< 9690.	ug/kg	9690	8260B	MJM-DV .	2/20/04 12:50
Methylmethacrylate	< 9690.	ug/kg	9690	8260B	VG-MEM	2/20/04 12:50
n-Buty/benzene	< 969.	ug/kg	969	8260B	VO-MEM	2/20/04 12:50
n-Propylbenzene	8537.	ug/kg	969	8260B	MJM-DV	2/20/04 12:5
Naphthalene	16066.	ug/kg	969	8260B	VO-MCM	2/20/04 12:5
Nitrobenzene	16550.	ug/kg	9690	8260B	VO-MLM	2/20/04 12:5
Pentachloroethane	< 9690.	ug/kg	9690	8260B	MJM-DV	2/20/04 12:5
Propionitrile	< 9690.	ug/kg	9690	8260B	MJM-DV	2/20/04 12:5
sec-Butylbenzene	< 969.	ug/kg	969	8260B	VO-MEM	2/20/04 12:5
Styrene	< 969.	ug/kg	969	8260B	MDM-DV	2/20/04 12:5
t-Butyl alcohol	< 9690.	ug/kg	9690	8260B	MJM-DV	2/20/04 12:5
tert-Butylbenzene	< 969 .	ug/kg ·	**969	8260B	MJM-DV	2/20/04 12:5
Tetrachloroethene	< 969 .	ug/kg	969	8260B	MJM-DV	2/20/04 12:5
Tetrahydrofuran	< 96 9 0.	ug/kg	9690	8260B	MJM-DV	2/20/04 12:5
Toluene	2364.	ug/kg	969	8260B	MJM-DV	2/20/04 12:5
trans-1,2-Dichloroethene	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:5
trans-1,3-Dichloropropene	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:5
trans-1,4-Dichloro-2-butene	< 96 9 .	ug/kg	96 9	8260B	MJM-DV	2/20/04 12:5
Trichloroethene	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:5
Trichlorofluoromethane	. < 969 .	ug/kg	969	8260B	MJM-DV	2/20/04 12:5
Vinyl chloride	< 969.	ug/kg	969	8260B	MJM-DV	2/20/04 12:5
Xylenes (Total)	118760.	ug/kg	969	82608	MJM-DV	2/20/04 12:5
WC-9045C-sd	•					
Hα	3,	ş.u,	0.01	9045C	DJC-DV	2/23/04 13:

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Page 6 of 7

Douglassville Location: 405 Benjamin Franklin Highway Douglassville, PA 19518 Phone: (610) 327-8196 Fax: (610) 327-6864

> NI DEP Cert #PA925 PA DEP Cert #06-409



LABORATORIES

Professional testing for the critical decision

- CERTIFICATE OF ANALYSIS -

Client: Environmental Waste Minimization Inc.

14 Brick Kiln Court

Northampton, PA 18067

Attn: David Pohwat

Project: LE Carpenter

Received: 2/19/04

Princeton Location: 267 Wall Street Princeton, NJ 08540 Phone: (609) 924-5151 Fax: (609) 924-9692

NJ DEP Cert #11198

LAB #: 37639-2

Sample Type: Sludge

Sample ID: Liquid From Tank (B)

Collected By: Client

Collected: February 18, 2004

Source:

Report Date: Esbruary 23, 2004

Abstract Test	Result	Units	PESE	Medical	Int	Analysis Date
WC-SW846CN-sd						
Cyanide,reactive	< 0.01	mg/kg	0.01	SW846	DW-DV	2/23/04 10:45
WC-SW846S-sd						
Sulfide, reactive	< 1.	mg/kg		5W- 84 6	DW-DV	2/23/04 12:15

Reviewed and Approved by;

Laboratory Manager

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The state of the state of

Page 7 of 7

PILS MUST DE REPORTED TO THE MICHIGAN POLLUTION EMERGENCY ALERTING SYSTEM, IN: ER AT 1-800-124-8802 24 HOUR PER DAY.

WASTE MANAGEMENT DIVISION MICHIGAN DEPARTMENT OF **ENVIRONMENTAL QUALITY**

DO NOT WRITE IN THIS SPACE DIS. 🗆

REJ. 🗆 PR. 🗆 Part 121 of Act 451, 1994, as amended.

Failure to file may subject you to criminal and/or civil penalties under Sections 324.11151 or 324.12116 MCL.

The same of the sa			AND THE PERSONAL PROPERTY.
Uniform Hazardonis Waste Manifest	1. Commission US COV 10 No.	Superitudio 2.Page 1	indicipation in the shaples, seems in that requires by Factoria law.
, Generator's Name and Mailing Address	Talk Charpable To Grant		
. Generator's Phone (· · · · · · · · · · · · · · · · · · ·		
. Transporter 1 Company Name	US EPA ID	Number 23 Marie	
			SERVICE - LINKE - LANGE
Transporter 2 Company Name	US EPA ID		
. Designated Facility Name and Site Address	(US EPA ID	Number	
		4.56	Pasa.
	Tive		The Hall bearing after
Au 1. US OF THE PARTY OF THE PA	The same of the sa	No. Type	Cuantity Walks
	right. Consider the constitution		D.0 0 E
The state of the s	and the second of the second		X990 & OPEXA
Additional Descriptions (See Managed States) (1999)	Security and a second	40.	
5. Epachil Flancilites (reducediant 344) Additional Ind	3Ce - 1050		• • • • • • • • • • • • • • • • • • • •
MACHEN TO THE TOTAL THE TOTAL TO THE TOTAL TOTAL TO THE T	P Was a sale		
18. GENERATOR'S GERTIFICATION: I hereby de classified, packed, marked, and labeled, and are	clare that the contents of this consignment a	re fully and accurately described	above by proper shipping name and are
regulations, if I am a large quantity generator, reinamined to be economically practicable and:	it in all respects in proper continum for transpo- the certify that I have a program in place to the certify that I have a program in place to the practicable method of the p	reduce the volume and toxicity of treatment storage, predictoral c	t waste generated to the degree I have unently available to me which minimizes
regulations. If I am a large quantity generator, determined to be economically practicable and the present and future threat to human health generation and select the best waste manager.	and the environment CB; if I am a small of the method that is available to the and that	uantity generator, I have made a I can afford.	good faith effort to minimize my waste
Pant Class Name			Date falsons Day Ye
DAVE LONDON	7.0	e laur	18230
 Tjangister i Arbeinsenbering at Rement of M Project Types Name 			Assess Day Ye
	AR Ray	معا السنا	0 इन्हार
B Transporer Exclaimental priest of Faculty of Na			Carle: Afterit Day Ye
Pinkellycot Kenne	Signature.		Akosib Doy 4
19, Discrepancy Indication Space		· · · · · · · · · · · · · · · · · · ·	
		4	
20. Facility Owner or Operator: Certification of rece	ipt of hazardous materials covered by this ma	unifest except as noted in Item 19	Defi
Printed/Typed Name	Signature.		Month Day Y
Form 8700-22 (Rev. 9/88)	To be mailed by WASTE MANAGEMEN	IT DIVISION ENT OF ENVIRONMENTAL QUALITY	Rev
	Generator to: PO BOX 30038		•



Land Disposal Restriction & Certification Form

			se check the appropri	nto ficialities			
Minh:	gan Disposal Waste Tre			orive, Belleville, MI 481 11	EPA ID # MID 000 724 831		
	gun Disposal, Inc. Site #2 I			Prive, Belleville, MI 481 11	EPA ID # MID 048 090 633		
	etroit, Inc.	, yyak 14 14 1 1	1923 Frederick Street, I		EPA ID # MID 980 991 566		
	esource Recovery, Inc.		36345 Van Born Road,	· · · · · · · · · · · · · · · · · · ·	EPA ID # MID 060 975 844		
	orth Carolina	•	1005 Investment Blvd.	•	EPA ID # NCD 982 170 292		
	forida, Inc.		7202 East 8th Ave, Tan	·	EPA ID # FLD 981 932 494		
	r Name: L.E. Carpenter &	c Company	Carlin II , la carlina i , la minori II sty m	U.S. EPA ID No.:	NJD002168748		
	r Address: 170 N. Main 5	.					
	nifest No.: MI9411639				11639.		
Column 2: Column 3: the alternati Column 4: Column 5:	Choose the appropriate treatable the appropriate treatable that the appropriate Subcategive treatment technologies proventer the letter of the appropriate For F001 - F005, F039, D001 - reatment. The Reference Number	lity group: Non- ory, if applicable ided by 268.49 (te paragraph fro D043. Debris a	at apply to this waste shipment. Wastewater (NWW) or Wastes, and also enter "Contaminater (c) - soil, or 268.45 - debris. In pages 1-2 of this form. and Contaminated Soil: please c	vater (WW). I Soil" or "Debris" if the waste . nter the Reference Number(s) i	will be treated using one of for any constituents in your waste stream		
Manifest Line Item	U.S. EPA Hazardous Waste Code (s)	NWW or WW	Subcategory	How Must the Waste be Managed?	Reference Number(s) of Hazardous Constituents contained in the waste. Complete for F001-F005, F039, D001-D043, Soli and Debris wastes.		
11 A	D001, D036	NWW	High TOC	A	141 145 199		
11 B							
11 C							
11 D		 					
informatic Generato		Coreto		Title:	e to the best-of my knowledge and $3/94$		
Printed N			How Must the Waste	TO A STREET OF THE PARTY OF THE			

PETROLEUM RELEASE RESPONSE DOCUMENTATION

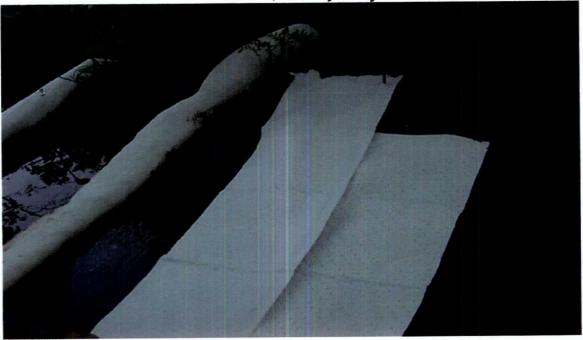


Rapid Response

14 Brick Kiln Court, Northampton, PA 18067 Tel. (484) 275-6900 Fax (484) 275-6970 www.RRI - hazmat.com

Project #: Gro	ound Contam	ination Contr	ol	•	Date:		Friday May	721 20	004		
Customer: R					Customer C						
Job Location				5	Customer P				80-2398		
Names	Code	Start	On Site Start	On Site Finish	Finish	QTY.		Material Description			
S. Nothstein	RM	1500			2200	3	Health & Safety Level D				
C. Sodroski	RT	1500			2200	4	8" Oil Bo				
M. Albury	RT	1500			2200	1	Oil Sweet	ps / Ba	le		
						ļ	 		· · · · · · · · · · · · · · · · · · ·		
					 						
									· · · · · · · · · · · · · · · · · · ·		
		 				 					
EC	UIPMENT		QTY		EQUIPMENT	<u> </u>	-	2TY	DISPOSAL / MANIFEST		
Response Truck	ponse Truck 2								DISTOSAL/ MANIFEST		
Digital Camera			1								
l			,								
				-							
				 	· · · · · · · · · · · · · · · · · · ·						
·			_	****		····		-	··.		
								 ⊦			
								— - -			
				•							
			JOB DÉS	CRIPTIO	ON/REMARI	7 C					
Mobilized crew and	l equipment t	o site Condu					•				
Met with on site rep	resentative T	Pare Condon	to moreida a	nd salety in	eeung with on-s	ite person	nel.				
Crew walked site to	investigate a	rese identifie	d on overlie	cess to the	site.		- <u>:</u>	···			
Surveyed areas for p	roper locatio	n and boom	on Supplied	ı map.	· · · · · · · · · · · · · · · · · · ·			· ·			
Crew installed (2) to	vo rows of 8'	oil booms or	od (1) and no	l. :1			····				
using 12" pieces	of rebar	OH COOMS A	м (1) оде го	M 01 011 8M	eps in the mout	h of the se	ep area. Bo	ooms a	and sweeps were anchored		
Crew placed (2) two		vil hooms and	(1) one rem	a 6 a 11 a			4. 4				
Used the same b	noom configu	ration in the	dentified les	or on swee	os in the upper e	nd of the	ditch.				
One end of the l	nooms and su	Veens Wate of	obored to a	wer section	of the ditch	.4					
Photographed site ac	tivities	voops welle al	icnoted to a	chain ank i	ence while the o	ther end w	as anchore	d usin	g 12" pieces of rebar.		
Crew cleaned and se		emobilized fr	OTH SCANA	· · · · · · · · · · · · · · · · · · ·	·	-					
	<u> </u>		om scene.								
	·				·						
RRI communicated s	site activities	to RMT repr	esentative K	arl Delooff	on 5/21/04 E	ailed whee	oa fou monie				
					011 3/21/04. 12-11	THEO PHO	os for fevie	ew.			
1											
ustomer Signatu	re:			מ			~		t •		
Date:	· ·				epresentative:				hstein		
				ginal - Custome	ate:		May 24,	2004			

L.E. Carpenter – Wharton, New Jersey



Oil sweeps and booms at the intersection of the river seep sheen drainage pathway and the Rockaway River (No. 1)



Oil sweeps and booms at the intersection of the river seep sheen drainage pathway and the Rockaway River (No. 2)

L.E. Carpenter – Wharton, New Jersey



Oil sweeps and booms in the drainage channel that separates the Air Product property and LEC. Absorbent materials located in the ditch water directly east of the ditch seep along the western bank of the ditch.



Rapid Response

14 Brick Kiln Court, Northampton, PA 18067 Tel. (484) 275-6900 Fax (484) 275-6970 www.RRI - hazmat.com

Project #: Grou	nd Contam	ination Contro	01		Date:		Friday, June	4. 20	004
Customer: RM	T Inc. / LE	Carpenter &	Co.		Customer Co				k Clevett
Job Location:	170 N. Ma	in St., Wharto	n, NJ. 0788		Customer Ph				780-2398
Names	Code	Start	On Site Start	On Site Finish	Finish	QTY.			aterial Description
M. Ebbert	RM	0830			1300	2	Health & S	afety	Level D
S. Nothstein	RT	0830			1300				The second secon
						1	8" Oil Boor	ms /	bale
						1	Oil Sweeps	/Ba	le
						1	55 Gallon S	Steel	Drum
	IPMENT		QTY		EQUIPMENT		Q	ΓY	DISPOSAL / MANIFEST
Response Truck Digital Camera			1						
Digital Camera			1						
			+						
								-	
								\dashv	**
								\dashv	
			+						
			+						
			JOB DES	CRIPTIO	ON/REMARK	S			
Mobilized crew and e	quipment t	o site. Conduc	ted health a	nd safety m	eeting with on-si	te person	nel.		
crew met with on site	representa	tive Dave Con	don to unlo	ck the fence	surrounding the	nramiaa			
rew replaced (2) two	rows of 8"	oil booms and	d(2) two ro	ws of oil sw	veens in the mout	h of the s	seep area.		
CCI crew was unable	to enter pre	mises where t	he (2) two o	ther contain	ment areas were	located.			
isible product seen in	collection	area in the m	outh of the s	eep area.					
Contaminated booms a	ind sweeps	were bagged	and placed i	nto a 55 ga	llon steel drum.				
Cleanup activities gene	erated 1 dn	ım for disposa	1.						
abeled and staged dru									
taged additional empt	y drums or	a site for future	e containeri	zation of co	llected contamina	ated mate	rials.		
hotographed site activ	rities.								
rew cleaned and secu	red site. De	emobilized fro	m scene.						
								-	
	,								
ustomer Signature									9
ustomer Signature ate:	·			R	epresentative:		Mari	k Eb	bert
are.				-	ate:		June 04, 2		

RAPID RESPENSE ME

Kapıu 14 Brick Kiln Court, Northampton, PA 18067 Tel. (484) 275-6900 Fax (484) 275-6970 www.RRI - hazmal.com

						_						
Project #: Gros	and Contami	nation Contro	ol		Date:		We	dnesday Ju	ne 16,	2004		
Customer: RN	AT Inc./LE	Carpenter &	Co.		Customer	Co	ontact:		Nick	Clevett		
Job Location:				5	Customer	Pł	10ne: _		616-7	80-2398		
Names	Code	Start	On Site Start	On Site Finish	Finish		QTY.		Ma	terial Description		
cott Nothstein	RM	0900			1400]	1	Health &	Safety	Level D		
						1		8" Oil Bo	om /B	alė		
<u> </u>	 	 				1		o on po	OII. / D			
		<u> </u>				1		Oil Swee	ps/Ba	le		
						}		55 Gallon Steel 17H Drums				
 		 	ļ		+	-	<u> </u>	J. Canon	Steel	171) Diding		
						1						
		1]		<u> </u>				
EQ	UIPMENT		QTY		EQUIPM	ENI	ŗ	1	QTY	DISPOSAL / MANIFEST		
Response Truck			1									
Digital Camera			1				 					
ļ. 				;								
							· ·	:				
	····		+									
· · · · · · · · · · · · · · · · · · ·												
			JOB DE	SCRIPTI	ON/REMA	\RJ	KS					
Mobilized crew and	d equipment	to site. Cond	ucted health	and safety	necting with	on-	site perso	nnel.				
Mot with on site re												
rew flipped (2) tw						_	·					
rew added an add	itional 8" oil	boom to the	mouth of the	seep area.								
cep area was fairly	dry with no	running wat	er.			-						
isible product see												
RI crew was unab						We	re located					
Contaminated swee		ged and place	d into a 55 g	gallon steel	drum.							
hotographed site					 							
rew cleaned and s	ecured site.	Demobilized	from scene.									
		•										
	 											
L												
<u> </u>												
			······································					· · · · · · · · · · · · · · · · · · ·				
- Customer Signat	ייים ייים				Representa	tiv	·.	Si	cott No	othstein		
ate:	· · · · · · · · · · · · · · · · · · ·				Date:			June 1				
[·	Original - Custo	mer Copy				-, -,	·		

RESPONSE INC.

14 Brick Kiln Court, Northampton, PA 18067 Tel. (484) 275-6900 Fax (484) 275-6970 www.RRI - hazmat.com

1 <u></u>			1713								
Project #: Gro	und Contami	nation Contro	ol		Date:		J.	iesday, June 2	9, 2	004	
Customer; RN									Nick Clevett		
Job Location				5	Customer Phone: 616-780-2398						
Names	Code	Start	On Site Start	On Site Finish	Finish		QTY.	1	Мя	terial Description	
1. Ebbert	RM_	0815			1215]	2	Health & Sat	ety	Level D	
. Rehrig	RT	0815			1215	4	1	8" Oil Boom	. / 1	hala	
l		 				-		S ON BOOM	,,,	J.	
							1	Oil Sweeps /	Ba	lų .	
]		55 Gallon St	10	Derm	
		 				1		JJ Gallott 3th	301	Риц	
]			_		
	<u> </u>]		<u> </u>			
EC	QUIPMENT		QTY		EQUIPM	ENT		QT	Y	DISPOSAL / MANIFEST	
Response Truck			1			-			ᆀ		
Digital Camera			1						_]		
					 		•		╢		
	•								7		
·											
									- -		
									╢		
			JOB DE	SCRIPT	ION/REMA	RK	S				
Mobilized equipme	ent and crew	ta sita Candi						reonnel			
Met with on-site re								430121011			
Frew replaced three								seep area.			
RI's crew was una											
Visible ground con	tamination se	en in collecti	on area in th	e mouth of	the seep area	٠,					
icep area was fairl											
contaminated boom				into a 55	gallon steel dr	rum 1	for dispos	sal.			
Clean up activities			r disposal.	·····				.			
abeled and staged		ė.		-						······································	
hotographed site											
Clean and secure si	te.			,				· · · · · · · · · · · · · · · · · · ·			
	······································									·	
RRI communicated	site activitie	s and email s	ite photos to	RMT repr	esentative Nic	chole	s Clevet	t on 6-29-04			
		· · · · · · · · · · · · · · · · · · ·									
ustomer Signat	ture:				Representa	tive		Mark	A.	Ebbert	
Pate:					Date:			Уиде 29, 2	00	4	
				Idalnal - Cust	omer Copy						



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			DA		y.RRI - hazmai.co	· · · · · · · · · · · · · · · · · · ·					
Project #: Gro					Date:		nursday, July 15,				
Customer: RN				Customer (Contact:	Nic	k Clevett				
Job Location:	n, NJ. 0788:	5	Customer 1	Phone: _	616-7	780-2398					
Names							Material Description				
M. Ebbert	RM	0800			1300	2	Health & Safety	y Level D			
\$. Nothstein	RT	0800			1300						
	-			· · · · · · · · · · · · · · · · · · ·		4	8" Oil Booms /	bales			
						I	Oil Sweeps / Ba	ale			
·											
- · · · · · · · · · · · · · · · · · · ·	 -					5	55 Gallon Steel	Drams			
	 	 									
							·				
	UIPMENT		QTY		EQUIPMEN	T	QTY	DISPOSAL / MANIFEST			
Response Truck Digital Camera			1								
Digital Califold	· · · · · · · · · · · · · · · · · · ·		1								
			- ,								
											
 		·,									
			- - -								
		······································	 								
			JOB DES	CRIPTIC	ON/REMAR	KS					
RRI was advised by	customer co	ntact Nick Cl	evett that the	access agr	coment has bee	m anoroved	to enter the Air	Products Proceeds			
Customer contact con	ordinated wi	th Air Produc	is represent	tive Janes S	anders to meet	PRI's crew	or site to cain a	access to the Air Products			
broberry to es	xcuange the	ns and an	veeps in the	ditch area.			•	iccess to the Air Froducts			
Aobilized equipment	and crew to	site. Conduc	ted Health a	nd Safety m	ecting with all	on-site per	sonnel.	· · · · · · · · · · · · · · · · · · ·			
det with Air Product	s representa	tive Janet San	ders to revie	w scope of	work.						
rew replaced four (4	1) rows of 8'	oil booms an	id two (2) ro	ws of oil sv	veeps in two (2) separate le	ocations in the di	itch area			
very light sheen wa	s seen on th	e surface of the	he water.			•					
rew then mobilized	to the LE Ca	arpenter / Wh	arton proper	ty,							
1et with on-site repre	esentative D	ave Condon to	o unlock the	fence surro	unding the pre	mises.					
rew flipped two (2) ro	ws of 8" oll b	ooms and repla	sed one (1) ro	ow of 8" oil b	ooms and one ()) row of oil:	sweeps in the mou	th of the seep area.			
rainte Stoning coursi	nination see	n in collection	n area in the	mouth of th	le seep area.						
ue to recent heavy n	ains, seep ar	ea contained	standing wat	er. Observe	d no current or	flow towar	d river.				
ontaminated booms an	id sweeps wa	= bagged and p	laced into 55	gallon steel	drums for dispos	al Clean up	activities generate	d five (5) drums for disposal.			
rapeled and ataleed of	arums on the	: LE Carpente	r / Wharton	property	Photographed	elte activitia	e Clean and a				
RI communicated si	te activities	and email site	photos to R	MT represe	ntative Nichol	as Clevett o	n 7-16-04				
ustomer Signatur					epresentative	•	Mark A. I	Σ bberτ			

Customer Signature:	Representative:	Mark A. Ebbert
ate;	Date:	July 16, 2004
Original - Cus	omer Conv	

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DAII V BECORD

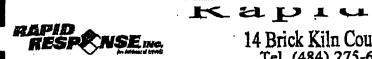
			DA	LY RI	ECORD) 				
	30-4-4-	estion Contro	.!	I	Date:			nesday, Jul		
roject #:Gro	and Containin	(Customer	Con	ract: _		Nick C			
Customer: RN	T Inc. / LB	- C+ Wherto		Customer	Pho	one:	(516-780	-2398	
ob Location	T		On Site	On Site	Finish	1	QTY.			rial Description
Names	Code	Start	Start	Finish	1300	ጎ ተ	2	Health &	Safety l	evel D
Ebbert	RM	0800			1300	1 [8" Oil Bo	/ h	
Michalik	RT	0800] }	1	18" UII BU	Ollis i O	
	_					-	1	Oil Swee	ps/Bal	
	1		ļ		<u> </u>	1 1		Heavy M	il Gach	ne Rans
]		Heavy M	II Galos	ige Dags
						-				
	· .		<u> </u>			-				
					EQUIPM	CENT		•	QTY	DISPOSAL / MANIFY
. 5	QUIPMENT		QTY		EQUIT IV		<u></u>			
esponse Truck			1							
igital Camera			1							
										
			JOB D	ESCRIP'	rion/ren	TAN	KS			
Mobilized equip			Justad Waal	th and Safe	ty meeting W	vith a	alie-no li	personnel.		
Mobilized equip	ment and cre	W to site. Co	ngueteu (tea	inlack the f	ence sucroun	ding	the prett	ises.		
Mobilized equip Met with Air Pr Crew flipped all	ducts repres	entative Jane	Sanders to r	ve of oil ew	eens in two (2) se	parate lo	cations in t	he ditch	area.
Crew flipped all	8" oil booms	and replace	of the water	43 OX O11 = 11						
A very light she	· · · ·	T Commenter	/ Wherton by	obenv.						
Crew then mobi	lized to the L	E Carpenter	don to unlock	k the fence	sucrounding	the p	remises.			
· · · · · · ·	4- COU.	all basens and	reniscen LWO (TILOMS D C	# 000#			il sweeps in	the mou	uh of the seep area.
Crew flipped one Visible ground	(1) row of 8" (n com is call	action area in	the mouth	of the seep s	area.				
Visible ground Due to recent h	contaminatio	II SECH IN COM	ined standing	g water. Ob	served no cu	rrent	or flow	toward rive	er.	1) down for die
		AN WAR DOOR	and diece ii	ייטנישט לל שו	Start at mine			an up activit	ics gene	reted one (1) drum for dis
Contaminated bo	oms and swee	the LE Caro	enter / Whart	on property	/					
Labeled and su Photographed	site activities							<u> </u>		
Clean and secu		·								
									20.04	
RRI communic	ated site acti	vities and em	all site photo	s to RMT	representativo	e Nic	holas Ci	evert on /	<u> </u>	
ILVI COMMISSION									76-3	· A Rhhert
•									1011 21 11	/1. DUUYI +
Customer Si	amatura'	•			Repres	enta	tive:		1-1-20	1004



14 Brick Kin Court, Northampton, PA 18067 Tel. (484) 275-6900 Fax (484) 275-6970

			DA	R	ECORD	•		·		
Project #: Gro	ıl		Date: Wednesday, August 11, 2004							
Customer: R							Nic			
Job Location				5	Customer P			780-2398		
Names	. Code	Start	On Site Start	On Site Finish	Finish	QTY.	1	aterial Description		
S. Nothstein	RM	0800		Z. MITSH	1300	2	Health & Safet			
B. Rehrig	RT	0800			1300					
						3	8" Oil Booms /	Bales		
	 				 	1	Oil Sweeps / B	2 pg		
							·			
							Heavy Mill Gar	bage Bags		
				· · · ·		6	55 Gallon Steel	17H Dayes		
							or denon sieci	1/11 Didius		
M	UPMENT		QTY		EQUIPMEN.	Г	QTY	DISPOSAL/MANIFEST		
Response Truck Digital Camera	····		1		·					
Digital Califera	· · · · · · · · · · · · · · · · · · ·		 							
			1 1			·······				
								· · · · · · · · · · · · · · · · · · ·		
										
			+			•	 			
			JOB DES	CRIPTIC	ON/REMARI	70				
Mobilized equipmen	nt and crew to	site Conduc	ted Weelth o	ad Cafety		:-				
Air Products represe	ntative Janet	Sanders sum	icd RRI wi	the key to	neering with an	on-site per	sonnel.			
Air Products Propert	y: Crew repla	iced all 8" oil	booms and	replaced tw	(2) rows of a	erty for the	routine mainter	nance events. e locations in the ditch area.		
very light sheen w	as seen on th	e surface of th	e water.		0 (2) 10 mg (1 0)	· sweeps to	two (2) separat	o locations in the disch area.		
rew then mobilized	to the LE Ca	upenter / Wha	uton proper	ty.						
Act with on-site repr	resentative Da	ave Condon to	unlock the	fence surre	unding the pren	nises.				
rew flipped two (2) m	ws of 8" oil be	ooms and replan	ced one (1) re	ow of 8" oil b	com and one (1)	row of oil sv	veces in the mout	h of the seco area		
Profession source	mination see	n in collection	area in the	mouth of th	ie seep area.					
cep area was fairly										
ontaminated booms ar	nd sweeps wer	e bagged and p	aced into 55	gallon stæl	drums for disposa	il. Clean up s	ctivities generate	d three (3) drums for disposal.		
decied and staged th	rums on the l	L.E. Carpenter	/Wharton	property.						
hotographed site. lean and secured sit	Δ.									
irent and sectifed \$it	.c.,						•			
RI communicated si	te activities	ind email site	nhotos to P) (T		- 61				
	17 th 10 A	Cinail 3116	huotos to K	ivi i represe	ntanve Nichola	s Clevett o	n 8-23-04			
µstomer Signatur	'A'			-	_	•	•	•		
ate:		•		-	presentative:		Scott Not	nstein		
P				ית	atar		Animated 11 annuals A	ſ		

Original - Customer Copy



14 Brick Kiln Court, Northampton, PA 18067 Tel. (484) 275-6900 Fax (484) 275-6970 www.RRI - hazmat.com

Customer: RMT Inc. / LE Carpenter & Co. Job Location: 170 N. Main St., Wharton, NJ 07885 Names Cade Start On Site Start Finish Start Finish B. Rehrig RT 0800 1230 1230 1 8" Oil Booms / Bales 1 Oil Sweeps / Bales Heavy Mill Garbage Bags Response Truck Digital Camers JOB DESCRIPTION/REMARKS Mobilized equipment and crew to site. Conducted Health and Safety meeting with all on-site personnel.	Project #: Grou	nd Contami	nation Contro	ol .		Date:	, , -	Wedn	esday, August 2	5, 2004
JOB LOCATION: 170 N. Main St., Wharton, NJ 07885 Names Code Start On Site Shart Fished Nothered RM 0800 1230 1230 2 Health & Safety Level D Rehring RT 0800 1230 1 S* Oil Booms / Balos Rehring RT 0800 1230 1 S* Oil Booms / Balos						Customer	Co	ntact:	Nick	Clevett
Names Code Start On Size Flaish Nombatein RM 0800 1230 1230 S. Nothstein RM 0800 1230 1230 S. Rehrig RT 0800 S. Rehrig RT 0800 1230 S. Rehrig RT 0800 S. Rehrig RT 08	Tob Location:	170 N. Mai	n St., Wharto	n, NJ 07885						80-2398
B. Rehrig RT 0400 1220 1 8" Oil Booms / Bales 1 Oil Sweeps / Bales 1 Oil Sweeps / Bales Heavy Mill Garbage Bage Digital Comers 1 Digital Comers 2 Di		1	T	On Site	On Site	Finish		QTY.	j	
STOIL Booms / Bales 1 10 11 12 10 11 12 10 11 12 10 11 12 10 11 12 10 11 12 10 11 12 10 11 12 10 12 10 12 10 12 10 10	S. Nothstein	RM	0800]	2	Health & Safety	/ Level D
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Date: August 25, 2004	RRI communicated	site activiti	es and email	site photos t	o RMT rep	resentative N	icho	las Cleve	tt on 9-7-04	
Date: August 25, 2004										
Date: August 25, 2004	Customer Signat	ture:				_ Represent	ativ	/e:		
Original - Quetomor Copy						Date:			August 25, 2	2004
	J 	•		:	Original - Cu	eterner Copy				



14 Brick Kiln Court, Northampton, PA 18067 Tel. (484) 275-6900 Fax (484) 275-6970 www.RRI - hazmat.com

DAIL A DECODD

			DA	TTIK	TCOKI) 		
Project #: Gro	und Contami	nation Contr	ol.		Date:	Wedi	nesday, Septembe	r 8, 2004
Customer: Ri	AT Inc. / LE	Carpenter &	Co,		Customer		Nic	
Job Location	170 N. Ma	in St., Wharto	n, NJ. 0788:	5	Customer		616-7	
Names	Code	Start	On Site Start	On Site Finish	Finish	QTY.	Ms	terial Description
B. Rehrig	RM	0830			1330	2	Health & Safet	
D. Scholtis	RT	0830			1330	4	8" Oil Booms /	
		 			. 	4	Oil Sweeps / Ba	
	 	 					33 Gallon Sect	1014003
					 		Heavy Mil Gar	oage Bags
	1.	 		· · · · · · · · · · · · · · · · · · ·		 	 	· .
			QTY					
	UIPMENT		911		EQUIPME	NT	QTY	DISPOSAL / MANIFES
Response Truck Digital Camera				 				4
Digital Cathers			- -'- -					
			,:			,,		
	<u></u>							
		· · · · · · · · · · · · · · · · · · ·						
								
			TOP DE	CDIPTI	ON/REMA	DVC		1
Mobilized equipme	or and crear	to site Condu						
Crew replaced four	(4) rows of 8	a sey supplie	a by Air Pro	ques kept	esentative Jan	et Sanders to	unlock the fenc	surrounding the premises
No visible product o	r cheen was	seet on the s	neface of the	OWS OF OILS	weeps in two	(2) separate	locations in the c	inch area.
Photographed site. C			attace of afe	Water.			•	
Crew then mobilized			harton proné	7137				
Mer with on-site rep					numding the m	vernices.		
Crew replaced three							laan aras	
Visible ground contr						out of the	ecth area.	
Scep area was fairly				, III artità de	ar sech area.		·····	
Contaminated boom				into 55 gal	lon steel dram	e for dience	a)	
Clean up activities g				1100 DD JA	2417 ACACT 41 ATT	m tot dishos		
Labeled and staged				roperty.	*************************************			
Photographed site, C				- P-2				
			te photos to	RMT repre	senuative Nich	olas Cleveti	on 9-8-04	
CO COMMISSIED								
NO COMMUNICATED								
Customer Signatu	ıre:				Representati	ive:	Brian F	Lehrig

EXPANDED SOURCE REDUCTION REMEDIAL AREA

